

BID FOR

4TH STREET SEWER & STORM DRAIN PROJECT

BID # 22/23-014

PWP # WA-2023-103

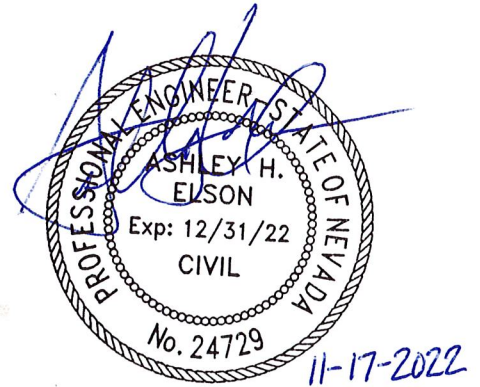
BIDS DUE NOT LATER THAN: 1:45 PM ON DECEMBER 15, 2022

PUBLIC BID OPENING: 2:00 PM ON DECEMBER 15, 2022

[NOTE: TIME BIDS ARE DUE IS DIFFERENT FROM BID OPENING TIME]



431 PRATER WAY
P.O. BOX 857
SPARKS, NV 89432-0857



Company Name: _____

**CITY OF SPARKS
NOTICE TO BIDDERS
4TH STREET SEWER & STORM DRAIN PROJECT
BID # 22/23-014 / PWP # WA-2023-103**

NOTICE IS HEREBY GIVEN that the City of Sparks, Nevada, will receive written sealed bids only, for the project listed above. Said bids must be in the hands of the Contracts and Risk Manager at 431 Prater Way, Sparks, Nevada, NO LATER THAN **1:45 PM ON DECEMBER 15, 2022**. Bids postmarked prior to, but not received until after this deadline will not be accepted. Vendor bid response submittals may not be sent to the City of Sparks via the Internet/e-mail and will not be entertained for award by the City of Sparks. The right is reserved to reject any Bid/Proposal or to accept the Bid/Proposal which is deemed by the City of Sparks to be in the best interest of the City of Sparks. The City of Sparks reserves the right to waive any irregularities and/or informalities in the bid process.

All Bids are to be marked clearly on the outside. Due to hybrid schedules and staff reductions, in-person staff availability is limited. Bidders wishing to physically deliver their bids on the bid due date shall note that the Purchasing Office will receive bids in the lobby of City Hall beginning at 1PM on December 15th. Bids are due no later than 1:45PM. Bids may also be delivered to the Purchasing Department physical dropbox/mailbox, also located in the lobby of City Hall.

Bids will be opened and publicly read at **2:00 PM ON DECEMBER 15, 2022** via Zoom video/audio conferencing. Meeting # 822 4115 8978. Meeting Passcode: 541957 with a direct link of: <https://us02web.zoom.us/j/82241158978?pwd=ek9EcS9JYi9YTklYZzhKUE1UTzJmZz09>

PROJECT DESCRIPTION: Removal and replacement of sanitary sewer and storm drain infrastructure on City streets as identified within the bid document.

BONDING/LICENSING: A Bid Bond in the amount of 5% of bid amount is required. This bid bond will function as a penalty in the event the successful bidder fails to enter into a written contract with the City in accordance with the bid documents. Additionally, the City will be entitled to actual damages, if any. Prospective bidders will be required to have a current Contractor's License under the Nevada State Law for the type of work specified herein.

The work to be performed under this Contract shall be commenced by the successful Bidder after all executed Contract documents have been submitted, and after being notified to proceed by the City of Sparks.

Bid documents and specifications may be obtained from the City of Sparks website. Please visit <http://portal.cityofsparks.us/bids> to obtain complete bid documents. There is no cost to use the system or obtain plans, but registration at the site is required. It is the responsibility of all potential bidders/responders to monitor the Purchasing Division's website for any changing information prior to submitting their bid/proposal. The City of Sparks will not be responsible for the timeliness or completeness of information provided by any 3rd party bid listing or re-selling service. For further information, contact the Purchasing Division at dmarran@cityofsparks.us or at (775) 353-2273. The individual responsible for coordinating this bid is: Dan Marran, CPPO, C.P.M. – Contracts and Risk Manager

Reno Gazette Journal Legal Notices Section
Publish Date: 11/22/22
Proof of publication required

Bidder's Checklist

Bidders are instructed to complete and return the following forms in order for their bids to be complete. Failure to return the following items may result in your bid being declared “non-responsive.”

1. _____ Bid Item Schedule
2. _____ Bidder Information Sheets
3. _____ Subcontractor Information Form (5% list due with bid submittal)
4. _____ Acknowledgement and Execution Form
5. _____ Certification Regarding Debarment
6. _____ “Certificate of Eligibility” (Local Preference) - If bid exceeds \$250,000 and Contractor wishes to potentially apply their preference.
7. _____ Bid Bond
8. _____ Signed Bid Addenda (if applicable)

**CITY OF SPARKS
 BID ITEM SCHEDULE**

BID TITLE: 4th STREET SEWER & STORM DRAIN PROJECT

BID # 22/23-014 / PWP# WA-2023-103

PRICES must be valid for 90 calendar days after the bid opening.

COMPLETION of this project is expected **PURSUANT TO CONTRACT DOCUMENTS.**

BIDDER acknowledges receipt of _____ Addenda.

 Bidder Name

 (signature)

Refer to Special Technical Section for a map depicting the street locations and plan sheets provided

Item No.	Quantity	Unit	Description	Unit Price	Total Price
1	600	LF	Furnish and Install 8-inch SDR-35 Sewer Main Pipe, Removal/Disposal of Existing Pipe, Temporary Patch and all Appurtenances, complete and in place	\$ _____ /LF	\$ _____
2	575	LF	Furnish and Install 8-inch SDR-35 Sewer Main Pipe, Temporary Patch and all Appurtenances, complete and in place	\$ _____ /LF	\$ _____
3	311	LF	Furnish and Install 10-inch SDR-35 Storm Drain Lateral Pipe, Removal/Disposal of Existing Pipe, Temporary Patch, Slurry Backfill, and all Appurtenances, complete and in place	\$ _____ /LF	\$ _____
4	2,189	LF	Furnish and Install 12-inch SDR-35 Storm Drain Main Pipe, Removal/Disposal of Existing Pipe, Temporary Patch and all Appurtenances, complete and in place	\$ _____ /LF	\$ _____
5	575	LF	Grout & Abandon Existing 8-inch Sewer, complete and in place	\$ _____ /LF	\$ _____
6	1	EA	Furnish & Install Type I Storm Drain Manhole, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover, complete and in place	\$ _____ /EA	\$ _____

7	8	EA	Furnish & Install Type I Storm Drain Manhole, Flat Top, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover, complete and in place	\$ _____ /EA	\$ _____
8	2	EA	Furnish & Install Type IV Storm Drain Manhole, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover, complete and in place	\$ _____ /EA	\$ _____
9	4	EA	Furnish & Install Type I Sewer Manhole, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover, complete and in place	\$ _____ /EA	\$ _____
10	1	EA	Furnish & Install Type I Sewer Manhole, Flat Top, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover, complete and in place	\$ _____ /EA	\$ _____
11	1	EA	Furnish & Install Type I Sewer Manhole, and ALL Appurtenances, Including New Frame and Cover, complete and in place	\$ _____ /EA	\$ _____
12	2	EA	Furnish & Install New Manhole Cone, Removal/ Disposal of Existing Cone, and ALL Appurtenances, Including New Frame and Cover, complete and in place	\$ _____ /EA	\$ _____
13	2	EA	Furnish & Install New Frame, Cover, Grade Rings and ALL Appurtenances, complete and in place	\$ _____ /EA	\$ _____
14	2	EA	Remove Existing Manhole Structure, Including Backfill and Temporary Patch, complete and in place	\$ _____ /EA	\$ _____
15	7	EA	Install Water Line Offset, (Materials Provided by TMWA), complete and in place	\$ _____ /EA	\$ _____
16	1	EA	Furnish and Install Excavatable Slurry Backfill at Waterline Crossings as Designated on the Plans, complete and in place	\$ _____ /EA	\$ _____

17	1	LS	Provide Traffic Control, complete and in place	\$ _____ /LS	\$ _____
18	1	LS	Force Account	\$ 75,000.00	\$ 75,000.00

<p>Total Price for 4TH STREET SEWER & STORM DRAIN PROJECT</p> <p>\$ _____</p> <p style="text-align: center;">(written total bid price)</p>	<p>\$ _____</p>
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Bidder Information

COMPANY INFORMATION:

Company Name:
Contact Name:
Address:
City:
State / Zip Code:
Telephone Number including area code:
Fax Number including area code:
E-mail:

COMPANY BACKGROUND

- 1) Has your company ever failed to complete any contracts awarded to it? No ___ Yes ___ (If yes, please provide details.)

- 2) Has your company filed any arbitration request or law suits on contracts awarded within the last five years? No ___ Yes ___ (If yes, please provide details.)

- 3) 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.)

- 4) Does your company now employ any officers or principals who were with another firm when that company failed to complete a contract within the last five years? No ___ Yes ___ (If yes, please provide details.)

- 5) 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.)

- 6) Has your company been found non-responsible on a government bid within the last five years? No ___ Yes ___ (If yes, please provide details.)

Bidder Information

CONTRACTOR LICENSE INFORMATION:

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

BUSINESS LICENSING INFORMATION All vendors doing business within the City of Sparks are required to obtain and maintain a current business license from the City of Sparks prior to commencement of work (Sparks Municipal Code Section 5.08.020A). Vendor(s) awarded a contract resulting from this bid shall be required to obtain a current business license if they do not already hold one.

City of Sparks Business License Number:
Date Issued:
Date of Expiration:
Name of Licensee:
City, State, Zip Code of Licensee:
Telephone Number of Licensee:
Taxpayer Identification Number:

Bidder Information

DISCLOSURE OF PRINCIPALS:

a) Individual and/or Partnership:

Owner 1) Name:
Address:
City, State, Zip Code:
Telephone Number:
Owner 2) Name:
Address:
City, State, Zip Code:
Telephone Number:
Other 1) Title:
Name
Other 2) Title:
Name:

b) Corporation:

State in which Company is Incorporated:
Date Incorporated:
Name of Corporation:
Address
City, State, Zip Code:
Telephone Number:
President's Name:
Vice-President's Name:
Other 1) Name:
Title:

Awarded Contract Information

If your company is determined to be the awardee of the contract for this scope of work, the contract form for the work will be routed via electronic means. Therefore, please identify the authorized individual that will be signing the resulting contract. Presumably this will be the company owner or corporate officer authorized to bind the company for future work.

COMPANY INFORMATION:

Company Name:
Authorized Name:
Title:
Individual E-Mail Address:
Telephone Number including area code:
Mailing Address:

SUBCONTRACTOR DETAIL
SUBCONTRACTORS EXCEEDING FIVE PERCENT OF BID AMOUNT

INSTRUCTIONS: Per 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 five percent (5%) of the Bid Price. 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 HIS NAME and description of the work that the prime contractor will perform in the space provided below.**

Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		

Bidder Name: _____

Authorized Signature: _____

SUBCONTRACTOR DETAIL
SUBCONTRACTORS EXCEEDING ONE PERCENT OF BID AMOUNT OR \$50,000

INSTRUCTIONS: 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.

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.

Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of Work:		

Bidder Name: _____ **Authorized Signature:** _____

CITY OF SPARKS ACKNOWLEDGMENT AND EXECUTION:

STATE OF _____)
) SS
County of _____)

_____(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 City of Sparks (Owner) and to do and perform all work for the **4TH STREET SEWER & STORM DRAIN PROJECT**, Bid # **22/23-014**, 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.

TO THE CONTRACTS AND RISK MANAGER OF THE CITY OF SPARKS:

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 City of Sparks 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.

(Printed Name of Contractor/Bidder) Contractor/Bidder: _____
BY: _____
Firm: _____
Address: _____
City: _____
State / Zip Code: _____
Telephone Number: _____
Fax Number: _____
E-mail Address: _____
(Signature of Principal) Signature: _____
DATED this _____ day of _____, 2022.

State of Nevada)
) SS.
County of _____)

On this _____ day of _____, in the year 2022, before me,

_____/Notary Public, personally appeared _____ Personally known to me (or proved
to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument, and acknowledged that he (she) executed it. WITNESS my hand and official seal.

Notary's Signature: _____ My commission Expires: _____

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER
RESPONSIBILITY MATTERS**

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

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

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

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) 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;
- (c) 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
- (d) 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 City 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.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative

Date

I am unable to certify to the above statement. My explanation is attached.

Signature _____ Date _____

Local Preference Affidavit

NEW Instructions: 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 **4TH STREET SEWER & STORM DRAIN PROJECT (Bid #22/23-014)** 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 City 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:

1. The Contractor shall ensure at least 50 percent of workers employed on the public work possess a Nevada driver’s license or identification card;
2. The Contractor shall ensure all vehicles used primarily for the public work will be registered and (where applicable) partially apportioned to Nevada;
3. 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.

By: _____ Title: _____

Signature: _____ Date: _____

Signed and sworn to (or affirmed) before me on this _____ day of _____, 20____, by _____ (name of person making statement).

State of _____)
)ss.
County of _____)

_____ STAMP AND SEAL
Notary Signature

CITY OF SPARKS, NEVADA – 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 City of Sparks, Nevada, 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 # **22/23-014**, PWP # **WA-2023-103**, for the **4TH STREET SEWER & STORM DRAIN PROJECT**.

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: _____

GENERAL CONDITIONS

General Conditions



GENERAL CONDITIONS

*Please Read Carefully
These Provisions Are a Part of Your Bid and any Contract Awarded*

Scope of Bid/Proposal: Bids/Proposals are hereby requested for **4TH STREET SEWER & STORM DRAIN PROJECT**, as per specifications herein.

The bidder agrees that:

- A. 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
- B. Bidder will enter into a written contract and furnish the item(s) or complete the work in the time specified, and in strict conformity with the City of Sparks specifications for the prices quoted.

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

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

1. Prices:

All prices and notations must be in ink or typewritten. Mistakes may be crossed out and corrections typed or written with ink adjacent to the error. Bids shall indicate the unit price extended to indicate the total price for each item bid. Any difference between the unit price correctly extended and the total price shown for all items bid shall be resolved in favor of the unit prices. Bidders are encouraged to review all prices prior to bid submittal, as withdrawal or correction may not be permitted after the bid has been opened.

2. Firm Prices:

Prices on bid shall be firm prices not subject to escalation unless otherwise provided for in the specifications. In the event the specifications provide for escalation, the maximum limit shall be shown, or the bid shall not be considered. In the event of a decline in market price below a price bid, the City of Sparks shall receive the benefit of such decline.

3. 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”.

4. Brand Names:

Whenever reference to a specific brand name is made by the City, it is intended to describe a component that has been determined to best meet operational, performance, or reliability standards of the City, thereby incorporating these standards by reference within the specifications. These specifications are not meant to limit the vendor; they are guidelines to minimum qualifications. The bidder shall indicate their compliance or non-compliance for each line of the specification. Any deviations from the specifications or where submitted literature does not fully support the meaning of the specifications must be clearly cited in writing by the bidder.

General Conditions



An equivalent (“or equal”) may be offered by the bidder, subject to evaluation and acceptance by the City. It is the bidder’s responsibility to provide, at bidder’s expense, samples, test data, or other documentation the City may require to fully evaluate and determine acceptability of an offered substitute. The City reserves the sole right to reject a substituted component that will not meet or exceed City standards.

5. Samples:

Samples may be required for bid evaluation and testing purposes. Bidders shall agree to provide samples upon request and at no additional cost to the City.

6. Withdrawal of Bids:

Bids may be withdrawn by written or facsimile notice received prior to the exact hour and date specified for receipt of bid. A bid 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.

7. 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.

8. Mistake in Bid:

- (a) If the bidder discovers a mistake in bid prior to the hour and date specified for receipt of bid, bidder may correct the mistake by withdrawing the bid in accordance with Item 7 above and resubmit prior to the stated bid deadline.
- (b) If within seventy-two hours of the bid closing and prior to the issuance of a purchase order or a contract, the apparent low bidder discovers a mistake in bid of a serious and significant nature, bidder may request consideration be given to withdrawing the bid. The mistake must be evident and provable. The right is reserved by the City to reject any and all requests for withdrawal of bids. The decision of the Purchasing Manager is final as regards acceptance or rejection of requests for withdrawal after closing of bids.
- (c) A mistake in bid cannot be considered once a purchase order or contract is issued.

9. Signature:

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

10. 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.

11. 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.

12. Quality:

Unless otherwise required in the specifications, all goods furnished shall be new and unused.



13. 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 contract 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 City in the bid. Disclosure may not disqualify the bidder. The City reserves the right to evaluate bids on the basis of the facts surrounding such litigation or arbitration and to require bidder to furnish the City with a surety bond executed by a surety company authorized to do business in the State of Nevada and approved by The City of Sparks in a sum equal to one hundred percent (100%) of the contract price conditional on the faithful performance by bidder of the contract in the event the bid is awarded to bidder, notwithstanding the litigation or arbitration.

14. Royalties, Licenses and Patents:

Unless otherwise specified, the bidder shall pay all royalties, license and patent fees. The bidder warrants that the materials to be supplied do not infringe any patent, trademark or copyright and further agrees to defend any and all suits, actions and claims for infringement that are brought against the City, and to defend, indemnify and hold harmless the City from all loss or damages, whether general, exemplary or punitive, as a result of any actual or claimed infringement asserted against the City, the bidder or those furnishing material to bidder pursuant to this contract.

15. Performance Standards:

Performance of work and acceptability of equipment or materials supplied pursuant to any contract or award shall be to the satisfaction and full discretion of the City.

16. Americans with Disabilities Act (ADA) Standards:

Bidders shall be required to comply with current ADA Standards in preparing their bids and executing work required under any contract resulting from this bid. Completed work must comply with current ADA Standards.

17. Warranties:

(a) Unless otherwise specified, all workmanship, material, labor or equipment provided under the contract shall be warranted by bidder and/or manufacturer for a minimum of twelve (12) months after acceptance by City. Greater warranty protection will be accepted. Lesser warranty protection must be indicated by bidder on the bid proposal as an exception.

(b) Bidder shall be considered primarily responsible to the City for all warranty service, parts and labor applicable to the goods or equipment provided by bidder under this bid or award, irrespective of whether bidder is an agent, broker, fabricator or manufacturer's dealer. Bidder shall be responsible for ensuring that warranty work is performed at a local agency or facility convenient to City and that services, parts and labor are available and provided to meet City's schedules and deadlines. If required and defined within the Scope of Work, the Bidder will post a performance bond after contract award to guarantee performance of these obligations. Bidder may establish a service contract with a local agency satisfactory to City to meet this obligation if bidder does not ordinarily provide warranty service.

18. 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

General Conditions



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 City website regarding the availability of new bid documents or addenda (where applicable). The City of Sparks 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. It is the responsibility of all potential bidders/responders to monitor the Purchasing Division's website for any changing information prior to submitting their bid/proposal. The City of Sparks will not be responsible for the timeliness or completeness of information provided by any 3rd party bid listing or re-selling service.

19. Specifications to Prevail:

The detailed requirements of the Specifications, Scope of Work or Special Conditions shall supersede any conflicting reference in these General Conditions or the stated language on the City of Sparks Standard Purchase Order that are in conflict therewith.

20. Taxes:

The City is exempt from State, City and County Sales Taxes per NRS 372.325. The City will furnish Exemption Certificates for Federal Excise Tax when applicable. The successful bidder shall pay all taxes, levies, duties and assessments of every nature, which may be applicable to any work or materials under this Contract. The Contract Sum and any agreed variations thereof shall include all taxes imposed by law. The successful bidder shall make any and all payroll deductions required by law. The successful bidder herein indemnifies and holds the City harmless from any liability on account of any and all such taxes, levies, duties, assessments and deductions.

21. 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. Further information concerning Prevailing Wage rates can be found at:

https://labor.nv.gov/PrevailingWage/Public_Works_Prevailing_Wages/

Federal "Davis Bacon" wages may be applicable if the funding for the project includes Federal funds. These requirements are detailed in the "Special Conditions – Federal Requirements" section that will be included in this bid document when such conditions apply. Contractor shall compare the applicable wage rate for each classification used on the project and pay the higher of the two rates (Nevada State Prevailing Wage or Davis Bacon Wage) in each case.

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22. Apprenticeship Utilization Act (This Section IS IS NOT Applicable to this bid):

Senate Bill 207 (Apprenticeship Utilization Act) 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

A contractor or subcontractor engaged in **horizontal construction** who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 3 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

“Horizontal Construction” means any construction, alteration, repair, renovation, demolition or remodeling necessary to complete a public work, including, without limitation, any irrigation, drainage, water supply, flood control, harbor, railroad, highway, tunnel, airport or airway, sewer, sewage disposal plant or water treatment facility and any ancillary vertical components thereof, bridge, inland waterway, pipeline for the transmission of petroleum or any other liquid or gaseous substance, pier, and any other work incidental thereto. The term does not include vertical construction, the construction of any terminal or other building of an airport or airway, or the construction of any other building.

A contractor or subcontractor engaged in **vertical construction** who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 10 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

“Vertical Construction” means any construction, alteration, repair, renovation, demolition or remodeling necessary to complete a public work for any building, structure or other improvement that is predominantly vertical, including, without limitation, a building, structure or improvement for the support, shelter and enclosure of persons, animals, chattels or movable property of any kind, and any other work or improvement appurtenant thereto.

A Public Body/Awarding Body, upon the request of a contractor or subcontractor, **MAY** submit a request for a modification or waiver of the percentage of hours of labor of one or more apprentices prior to (1) the bid advertisement; (2) the bid opening; or (3) the award of the contract if, “Good Cause” exists. The Labor Commissioner may also grant a modification or waiver from the requirements of NRS 338.01165 after work on the public work has commenced.

More information regarding these requirements and forms associated with this act may be found in the section following these General Conditions, labeled “Apprenticeship Requirements.”

23. Conflict of Interest:

No City employee or elected or appointed member of City government, or member of the employee’s immediate family, may participate directly or indirectly in the procurement process pertaining to this bid if they:

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- (a) 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.
- (b) 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. In the event such a conflict occurs, the bidder is to report it immediately to the Purchasing Manager. For breach or violation of this warranty, the City shall have the right to annul this contract without liability at its discretion, and bidder may be subject to damages and/or debarment or suspension.

24. Disqualification of Bidder:

Any one or more of the following may be considered as sufficient for the disqualification of a prospective Bidder and the rejection of the Bid:

- (a) The Bidder is not responsive or responsible.
- (b) The quality of services, materials, equipment or labor offered does not conform to the approved plans and specifications.
- (c) There is evidence of collusion among prospective Bidders (Participants in such collusion will receive no recognition as Bidders).
- (d) The Bidder lacks the correct contractor's license classification required for the defined scope of work.
- (e) Lack of competency, understanding of the scope of work, adequate machinery, plant and/or equipment as revealed in routine due diligence associated with bid evaluation.
- (f) Unsatisfactory performance record as shown by past work for the City of Sparks, judged from the standpoint of workmanship, progress, and quality of services/goods provided.
- (g) Uncompleted work which, in the judgment of the City of Sparks, might hinder or prevent the prompt completion of additional work, if awarded.
- (h) Failure to pay or satisfactorily settle all bills due for labor and/or material on any contract(s).
- (i) Failure to comply with any requirements of the City of Sparks.
- (j) Failure to list, as required, all subcontractors who will be employed by the Bidder.
- (k) Any other reason determined, in good faith, to be in the best interest of the City of Sparks.

25. Gratuities:

The City may rescind the right of the bidder to proceed under this agreement if it is found that gratuities in the form of entertainment, gifts, cash or otherwise are offered or given by the bidder, or any agent or representative of the bidder, to any officer or employee of the City with the intent of influencing award of this agreement or securing favorable treatment with respect to performance of this agreement.

26. Bidder's Security (This Section IS IS NOT Applicable to this bid):

A bid deposit in an amount equal to at least 5% of the bid may be required as a bid security by the City. The bid security may only be in cash, a cashier's or certified check made payable to the City of Sparks, or a bid bond. 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. 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.) The bid security must be executed by the bidder and enclosed with the bid proposal in the sealed bid envelope.



27. Performance and Payment Bonds:

Per NRS 339.025, before any contract, except one subject to the provisions of chapter 408 of NRS, exceeding \$100,000 for any project for the new construction, repair or reconstruction of any public building or other public work or public improvement of any contracting body is awarded to any contractor, he shall furnish to the contracting body the following bonds which become binding upon the award of the contract to the contractor (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.)):

Performance Bond (This Section IS IS NOT Applicable to this bid):

The Contractor awarded this bid will be required to furnish the City 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 City of Sparks. 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 City in the event that bidder receiving the contract shall fail or refuse to fulfill the requirements and all terms and conditions of the contract.

Payment Bond (This Section IS IS NOT Applicable to this bid):

The Contractor awarded this bid will be required to furnish the City 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 City of Sparks. 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.

28. Indemnification:

To the fullest extent permitted by law, upon award, Contractor shall hold harmless, indemnify, defend and protect City, its affiliates, officers, agents, employees, volunteers, successors and assigns (“Indemnified Parties”), and each of them from and against any and all claims, demands, causes of action, damages, costs, expenses, actual attorney’s fees, losses or liabilities, in law or in equity, of every kind and nature whatsoever (“Claims”) arising out of or related to any act or omission of Contractor, its employees, agents, representatives, or Subcontractors in any way related to the performance of work under this Agreement by Contractor, or to work performed by others under the direction or supervision of Contractor, including but not limited to:

1. Personal injury, including but not limited to bodily injury, emotional injury, sickness or disease, or death to persons;
2. Damage to property of anyone, including loss of use thereof;
3. Penalties from violation of any law or regulation caused by Contractor’s action or inaction;
4. Failure of Contractor to comply with the Insurance requirements established under this Agreement;
5. Any violation by Contractor of any law or regulation in any way related to the occupational safety and health of employees.

In determining the nature of the claim against City, the incident underlying the claim shall determine the nature of the claim, notwithstanding the form of the allegations against City.

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If City's personnel are involved in defending such actions, Contractor shall reimburse City for the time and costs spent by such personnel at the rate charged City for such services by private professionals.

In cases of professional service agreements, requiring professional liability coverage:

If the insurer by which a Consultant is insured against professional liability does not so defend the City and applicable agents and/or staff, and the Consultant is adjudicated to be liable by a trier of fact, the City shall be entitled to reasonable attorney's fees and costs to be paid to the City by the Consultant in an amount which is proportionate to the liability of the of the Consultant.

Nothing in this contract shall be interpreted to waive nor does the City, by entering into this contract, waive any of the provisions found in Chapter 41 of the Nevada Revised Statutes.

29. Insurance:

BIDDERS' ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW. IT IS HIGHLY RECOMMENDED THAT BIDDERS CONFER WITH THEIR RESPECTIVE INSURANCE CARRIERS OR BROKERS TO DETERMINE IN ADVANCE OF BID SUBMISSION THE AVAILABILITY OF INSURANCE CERTIFICATES AND ENDORSEMENTS AS PRESCRIBED AND PROVIDED HEREIN. IF THE APPARENT LOW BIDDER FAILS TO COMPLY STRICTLY WITH THE INSURANCE REQUIREMENTS, THAT BIDDER MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

The City may, unless otherwise required by law, waive or reduce the insurance requirements itemized here, at the discretion of the city's Contracts and Risk Manager.

Should work be required on City premises or within the public right-of-way, upon award of the contract, the bidder shall provide proof of insurance for the types of coverage, limits of insurance and other terms specified herein, prior to initiation of any services under City, Bid, Proposal or Contract. Coverage shall be from a company authorized to transact business in the State of Nevada and the City of Sparks and shall meet the following minimum specifications:

Contractor shall at its own expense carry and maintain at all times the following insurance coverage and limits of insurance no less than the following or the amount customarily carried by Contractor or any of its subcontractors, whichever is greater. Contractor shall also cause each subcontractor employed by Contractor to purchase and maintain insurance of the type specified herein. All insurers must have AM Best rating not less than A-VII, and be acceptable to the City. Contractor shall furnish copies of certificates of insurance evidencing coverage for itself and for each subcontractor. Failure to maintain the required insurance may result in termination of this contract at City's option. If Contractor fails to maintain the insurance as set forth herein, City shall have the right, but not the obligation, to purchase said insurance at Contractor's expense.

Contractor shall provide proof of insurance for the lines of coverage, limits of insurance and other terms specified below prior to initiation of any services. Coverage shall be from a company authorized to transact business in the State of Nevada and the City of Sparks. Contractor and any of its subcontractors shall carry and maintain coverage and limits no less than the following or the amount customarily carried by Contractor or any of its subcontractors, whichever is greater.

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Applicable to this Contract	Insurance Type	Minimum Limit	Insurance Certificate	Additional Insured	Waiver of Subrogation
Yes	General Liability/Umbrella (Excess) Liability	\$2,000,000	✓	✓	✓
Yes	Automobile Liability	\$1,000,000	✓	✓	
Yes	Workers' Compensation	Statutory	✓	N/A	✓
Yes	Employer's Liability	\$1,000,000	✓	N/A	
No	Professional Liability	\$1,000,000	✓	N/A	N/A
No	Pollution Legal Liability	\$1,000,000	✓	N/A	N/A

Commercial General Liability

Contractor shall carry and maintain Commercial General Liability (CGL) and, if necessary to meet required limits of insurance, commercial umbrella/excess liability insurance with a total limit of not less than the limits specified herein.

For contracts that are for the construction or improvement of public facilities, the Contractor shall obtain and maintain products and completed operations liability coverage through the statute of repose after completion of the project. Continuing commercial umbrella coverage, if any, shall include liability coverage for damage to the insured's completed work equivalent to that provided under ISO form CG 00 01.

There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from pollution, explosion, collapse, underground property damage, or damage to the named insured's work unless Subcontractor carries and maintains separate policies providing such coverage and provides Contractor evidence of insurance confirming the coverage.

Minimum Limits of Insurance

\$2,000,000 Each Occurrence Limit for bodily injury and property damage

\$2,000,000 General Aggregate Limit

\$2,000,000 Products and Completed Operations Aggregate Limit

\$10,000 Medical Expense Limit

If Commercial General Liability Insurance or other form with a general aggregate limit is used, it shall be revised to apply separately to this PROJECT or LOCATION.

Coverage Form

Coverage shall be at least as broad as the unmodified Insurance Services Office (ISO) Commercial General Liability (CGL) "Occurrence" form CG 00 01 04/13 or substitute form providing equivalent coverage and shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).



Additional Insured

City, its officers, agents, employees, and volunteers are to be included as insureds using the applicable ISO additional insured endorsement(s) or substitute forms providing equivalent coverage, in respects to damages and defense arising from: activities performed by or on behalf of Contractor, including the insured's general supervision of Contractor; products and completed operations of Contractor; premises owned, occupied, or used by Contractor. The coverage shall contain no special limitations on the scope of protection afforded to City, its officers, employees, or volunteers. Additional insured status for City shall apply until the expiration of time within which a claimant can bring suit per applicable state law.

Primary and Non-Contributory

Contractor's insurance coverage shall apply as primary insurance with respect to any other insurance or self-insurance programs afforded to City, its officers, agents, employees, and volunteers. There shall be no endorsement or modification of the CGL to make it excess over other available insurance; alternatively, if the CGL states that it is excess or pro rata, the policy shall be endorsed to be primary with respect to the additional insured. Any insurance or self-insurance maintained by City, its officers, employees, or volunteers shall be excess of Contractor's insurance and shall not contribute with it in any way.

Waiver of Subrogation

Contractor waives all rights against City and its agents, officers, directors and employees 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. Insurer shall endorse CGL policy as required to waive subrogation against the City with respect to any loss paid under the policy.

Endorsements

Policy forms or endorsements are required confirming coverage for all required additional insureds. The forms or endorsements for CGL shall be at least as broad as the unmodified ISO additional insured endorsement CGO 20 10 07/04 and CG 20 37 07/04 or substitute forms providing additional insured coverage for products and completed operations.

A waiver of subrogation in favor of City shall be endorsed to the policy using an unmodified Waiver of Transfer of Rights of Recovery of Others to Us ISO CG 24 04 05 09, or a substitute form providing equivalent coverage.

Electronic Data Liability

If any underground work will be performed, Contractor shall maintain electronic data liability insurance applicable to the Project and insuring against liability arising out of the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate electronic data. This coverage shall be maintained with a limit of liability of not less than \$1,000,000 and provide coverage at least as broad as electronic data liability coverage form CG 04 37 (or substitute form providing equivalent coverage).

Railroad Protective Liability

For any construction or demolition work within fifty (50) feet of a railroad, Contractor shall maintain Railroad Protective Liability insurance on behalf of and in the name of the railroad, as named insured, with a limit of \$6,000,000 per occurrence or higher limit if required by the railroad. Contractor shall also ensure that any exclusions pertaining to the indemnification of a railroad are removed from its CGL policy or that ISO form CG 24 17 (Contractual Liability-Railroads Endorsements) is included in the coverage.

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Business Automobile Liability

Minimum Limits of Insurance

\$1,000,000 Combined Single Limit per accident for bodily injury and property damage or the limit customarily carried by Contractor, whichever is greater. No aggregate limit may apply. Coverage may be combined with Excess/Umbrella Liability coverage to meet the required limit.

Coverage Form

Coverage shall be at least as broad as the unmodified Insurance Services Office (ISO) Business Automobile Coverage form CA 00 01 10/13, CA 00 25 10/13, CA 00 20 10/13 or substitute form providing equivalent coverage. Such insurance shall cover liability arising out of any auto (including owned, hired, and non-owned autos).

Pollution liability coverage at least as broad as that provided under the ISO pollution liability—broadened coverage for covered autos endorsement (CA 99 48) shall be provided, and the Motor Carrier Act endorsement (MCS 90) shall be attached for all contracts involving transportation of “hazardous material” as this term is defined by applicable law, including, but not limited to, waste, asbestos, fungi, bacteria and mold.

Additional Insured

City, its officers, agents, employees, and volunteers are to be included as insureds with respect to damages and defense arising from the ownership, maintenance or use of automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to City, its officers, employees, or volunteers. Additional insured status for City shall apply until the expiration of time within which a claimant can bring suit per applicable state law.

Endorsements

A policy endorsement is required listing all required additional insureds. The endorsement for Business Automobile Liability shall be at least as broad as the unmodified ISO CA 20 48 10/13 or a substitute form confirming City’s insured status for Liability Coverage under the Who Is An Insured Provision contained in Section II of the coverage form ISO CA 00 01 10/13.

Waiver of Subrogation.

Contractor waives all rights against City, its officers, agents, employees, and volunteers 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. Contractor’s insurer shall endorse policy to waive subrogation against City with respect to any loss paid under the policy.

Workers’ Compensation and Employer’s Liability

Contractor shall carry and maintain workers’ compensation and employer’s liability insurance meeting the statutory requirements of the State of Nevada, including but not limited to NRS 616B.627 and NRS 617.210 or provide proof that compliance with the provisions of Nevada Revised Statutes Chapters 616A-D and all other related chapters is not required. It is understood and agreed that there shall be no coverage provided for Contractor or any Subcontractor of the Contractor by the City. Contractor agrees, as a precondition to the performance of any work under this Agreement and as a precondition to any obligation of the City to make any payment under this Agreement to provide City with a certificate issued by an insurer in accordance with NRS 616B.627 and with a certificate of an insurer showing coverage pursuant to NRS 617.210.

It is further understood and agreed by and between City and Contractor that Contractor shall procure, pay for and maintain the above-mentioned coverage at Contractor's sole cost and expense.

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Should Contractor be self-funded for workers’ compensation and employer’s liability insurance, Contractor shall so notify City in writing prior to the signing of this Contract. City reserves the right to approve said retentions, and may request additional documentation, financial or otherwise, for review prior to the signing of this Contract.

Upon completion of the project, Contractor shall, if requested by City, provide a Final Certificate for itself and each Subcontractor showing that Contractor and each Subcontractor had maintained the required Workers Compensation and Employer’s Liability by paying all premiums due throughout the entire course of the project.

Nevada law allows the following to reject workers’ compensation coverage if they do not use employees or subcontractors in the performance of work under the contract:

- Sole proprietors (NRS 616B.627 and NRS 617.210)
- Unpaid officers of quasi-public, private or nonprofit corporations (NRS 616B.624 and NRS 617.207)
- Unpaid managers of limited liability companies (NRS 616B.624 and NRS 617.207)
- An officer or manager of a corporation or limited liability company who owns the corporation or company (NRS 616B.624 and NRS617.207)

If a contractor has rejected workers’ compensation coverage under applicable Nevada law, the contractor must indicate the basis for the rejection of coverage and complete, sign and have notarized an Affidavit of Rejection of Coverage. The Affidavit must be completed, signed and notarized prior to performance of any work.

Minimum Limits of Insurance

Workers’ Compensation:	Statutory Limits
Employer’s Liability:	\$1,000,000 Bodily Injury by Accident – Each Accident
	\$1,000,000 Bodily Injury by Disease – Each Employee
	\$1,000,000 Bodily Injury by Disease – Policy Limit

Coverage Form

Coverage shall be at least as broad as the unmodified National Council on Compensation Insurance (NCCI) Workers Compensation and Employer’s Liability coverage form WC 00 00 07/11 or substitute form providing equivalent coverage.

OTHER INSURANCE COVERAGES (IF APPLICABLE)

Professional Liability Insurance (if Applicable) \$1,000,000 each claim limits of liability or whatever limit is customarily carried by the Contractor, whichever is greater, for design, design-build or any type of professional services. If coverage is required on a claims-made or claims-made and reported basis, any applicable retroactive or pending & prior litigation dates must precede the effective date of this contract. Continuous coverage shall be maintained, or an extended reporting period shall be obtained for a period of at least three (3) years following completion of the project.

Contractors Pollution Liability Insurance (If Applicable)- \$1,000,000 per occurrence and \$2,000,000 aggregate or whatever amount is acceptable to the City for any exposure to “hazardous materials” as this term is defined in applicable law, including but not limited to waste, asbestos, fungi, bacterial or mold.

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Coverage shall apply to bodily injury; property damage, including loss of use of damaged property or of property that has not been physically injured; cleanup costs; and defense, including costs and expenses incurred in the investigation, defense, or settlement of claims.

City shall be included as an insured under Contractor's pollution liability insurance.

If coverage is required on a claims-made or claims-made and reported basis, any applicable retroactive or pending & prior litigation dates must precede the effective date of this contract. Continuous coverage shall be maintained, or an extended reporting period shall be obtained for a period of at least three (3) years following completion of the project.

If the scope of services as defined in this contract includes the disposal of any hazardous materials from the job site, Contractor must furnish to City evidence of pollution liability insurance maintained by the disposal site operator for losses arising from the insured facility accepting waste under this contract. Coverage certified to the City under this section must be maintained in minimum amounts of \$1,000,000 per loss, with an annual aggregate of at least \$2,000,000.

Lower tier sub-subcontractors, Truckers, Suppliers: Evidence confirming lower tier subcontractors, truckers and suppliers are maintaining valid insurance prior to beginning work on the project to meet the requirements set forth herein on Subcontractor, including but not limited to all additional insured requirements of Subcontractor.

ALL COVERAGES

Coverage shall not be suspended, voided, canceled, or non-renewed by either CONTRACTOR or by the insurer, reduced in coverage or in limits except after thirty (30) days' prior written notice has been given to CITY except for ten (10) days' notice for nonpayment of premium.

DEDUCTIBLES AND RETENTIONS

Any deductibles or self-insured retentions that exceed \$100,000.00 per occurrence or claim must be declared to and approved by the City's Contracts and Risk Manager and prior to signing this Contract. City is entitled to request and receive additional documentation, financial or otherwise, prior to giving its approval of the deductibles and self-insured retentions. Any changes to the deductibles or self-insured retentions made during the term of this Contract or during the term of any policy must be approved by City's Contracts and Purchasing Manager prior to the change taking effect. Contractor is responsible for any losses within deductibles or self-insured retentions.

OTHER INSURANCE PROVISIONS

Should City and Contractor agree that higher coverage limits are needed warranting a project policy, project coverage shall be purchased and the premium for limits exceeding the above amount may be borne by City. City retains the option to purchase project insurance through Contractor's insurer or its own source.

Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its officers, agents, employees, or volunteers.

ACCEPTABILITY OF INSURERS

Insurance is to be placed with insurers with a Best's rating of no less than A-VII and acceptable to the City. City, with the approval of the Risk Manager, may accept coverage with carriers having lower Best's ratings upon review of financial information concerning Contractor and insurance carrier. City reserves the right to

General Conditions



require that Contractor's insurer be a licensed and admitted insurer in the State of Nevada, or meet any applicable state and federal laws and regulations for non-admitted insurance placement.

VERIFICATION OF COVERAGE

Contractor shall furnish City with certificates of insurance and with original endorsements affecting coverage required by this contract. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

Prior to the start of any Work, Contractor must provide the following documents to City of Sparks, Attention: Purchasing Division, P.O. Box 857, Sparks, NV 89432-0857:

- A. Certificate of Insurance.** Contractor must provide a Certificate of Insurance form to the City of Sparks to evidence the insurance policies and coverage required of Contractor.
- B. Additional Insured Endorsements.** An original Additional Insured Endorsement, signed by an authorized insurance company representative, must be submitted to the City of Sparks, by attachment to the Certificate of Insurance, to evidence the endorsement of the City of Sparks as additional insured.
- C. Policy Cancellation Endorsement.** Except for ten (10) days' notice for non-payment of premium, each insurance policy shall be endorsed to specify that without thirty (30) days prior written notice to the City of Sparks, the policy shall not be suspended, voided, cancelled or non-renewed, and shall provide that notices required by this paragraph shall be sent by certified mailed to the address specified above. A copy of this signed endorsement must be attached to the Certificate of Insurance. If endorsements are not available, Contractor shall be responsible to provide prior written notice to City as soon as practicable upon receipt of any notice of cancellation, non-renewal, reduction in required limits or other material change in the insurance required under this Agreement.
- D. Bonds (as Applicable).** Bonds as required and/or defined in the original bid documents.

All certificates and endorsements are to be addressed to the City of Sparks, Purchasing Division and be received and approved by City before work commences. The City reserves the right to require complete certified copies of all required insurance policies at any time.

SUBCONTRACTORS

Contractor shall include all Subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each Subcontractor. All coverages for Subcontractors shall be subject to all the requirements stated herein.

MISCELLANEOUS CONDITIONS

1. Contractor shall be responsible for and remedy all damage or loss to any property, including property of City, caused in whole or in part by Contractor, any Subcontractor, or anyone employed, directed, or supervised by Contractor.
2. Nothing herein contained shall be construed as limiting in any way the extent to which Contractor may be held responsible for payment of damages to persons or property resulting from its operations or the operations of any Subcontractors under it, and such coverage and limits required herein shall not be deemed as a limitation on Contractor's liability under the indemnities granted to City in this contract.

General Conditions



3. In addition to any other remedies City may have if Contractor fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option:
 - a. Purchase such insurance to cover any risk for which City may be liable through the operations of Contractor under this Agreement and deduct or retain the amount of the premiums for such insurance from any sums due under the Agreement;
 - b. Order Contractor to stop work under this Agreement and/or withhold any payments which become due Contractor here under until Contractor demonstrates compliance with the requirements hereof; or,
 - c. Terminate the Agreement.
4. If Contractor's liability policies do not contain the standard ISO separation of insureds condition, or a substantially similar clause, they shall be endorsed to provide cross-liability coverage.

30. Safety Program:

Upon award, the Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work. The Contractor shall take all necessary precautions for the safety of, and shall provide all necessary protection to prevent damage, injury, or loss to:

1. All employees on the work site and all other persons who may be affected thereby.
2. All the work, materials, and equipment to be incorporated therein, whether in storage on or off the site.
3. Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

Contractor shall comply with all applicable laws, ordinances, rules, regulations, and others of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury, or loss. He shall erect and maintain, as required by existing conditions and progress on the work, all necessary safeguards for safety and protection, including posting danger signs, other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent utilities. Contractor shall comply with OSHA'S Hazard Communication Standards.

Contractor shall designate a responsible member of its organization at the site whose duty shall be the prevention of accidents. This person shall be Contractor's superintendent unless otherwise designated in writing by Contractor to the Owner and the Engineer.

31. Award of Contract:

- (a) Bids/Proposals will be analyzed and award will be made to the lowest, responsive and responsible bidder whose bid conforms to the solicitation and whose bid is considered to be most advantageous to the City, price and other factors considered. Factors to be considered may include, but are not limited to: bidder's past performance, total unit cost, economic cost analysis, life cycle costs, warranty and quality, maintenance cost, durability, the operational requirements of the City and any other factors which will result in the optimum economic benefit to the City.
- (b) The City reserves the right to reject any item or items, to waive informalities, technical defects and minor irregularities in bids/proposals received; and to select the bid(s) or proposal(s) deemed most advantageous to the City. Should the City elect to waive a right it will not constitute an automatic waiver of that right in the future nor will it impact any other right or remedy. The City may consider bids/proposals submitted on an "all or nothing" basis if the bid/proposal is clearly designated as such.

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- (c) The City reserves the right to award one or more contracts on the bids/proposals submitted, either by award of all items to one bidder or by award of separate items or groups of items to various bidders as the interests of the City may require, unless the bidder clearly specifies otherwise in his bid.
- (d) Upon acceptance by the City of Sparks, the solicitation, bid, proposal, or price quotation and issuance of a purchase order issued to the successful bidder shall be deemed to result in a binding contract incorporating those terms and these General Conditions without further action required by either party. Items are to be furnished as described in the bid and in strict conformity with all instructions, conditions, specifications, and provisions in the complete contract, as defined by this clause or any related integrated agreement.

32. Request for Proposal (RFP) Submittals:

In the case of Request for Proposals (RFP's), 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.

By their nature, proposals will include a number of variables that will vary based on the complexity of the product or service addressed within the proposal. Therefore, the evaluation of RFP's and the recommendation for award will not be based on price alone. Selection criteria will be better defined for each scope of work in the Special Conditions section of this bid.

Upon award of the contract, the executed contract 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.

33. Bidder Preference Law (This Section IS IS NOT Applicable to this bid):

This project will be bid and awarded under the Provisions(s) of NRS 338.147, which restricts preference given to certain contractors on Public Works Projects. The NRS cited in this section is meant to be a reference only. Each bidder shall acquaint himself with the latest provisions of NRS 338.147.

If the Contract for any Public Works Construction Project is expected to cost \$250,000 or more, then all Contractors wishing to receive benefit of their preference status in the evaluation of bids must submit a copy of their Certificate of Bidder Preference issued by the State Contractor's Board. (Call 775-688-1141 or 775-486-1100 to obtain certification information from the State Contractors Board). Contractors who do not submit a preference certificate at the time of their bid are presumed to have wished not to exercise the benefit of their preference, or do not possess the certificate of eligibility.

To the extent Contractor has sought, qualified and receives a bidding preference on this project, pursuant to Nevada Revised Statutes Chapter 338, Contractor acknowledges and agrees that the following requirements will be adhered to, documented and attained for the duration of the Project:

1. At least 50 percent of the workers employed on the Project (including subcontractors) hold a valid driver's license or identification card issued by the Nevada Department of Motor Vehicles;
2. All vehicles used primarily for the public work will be (a) registered and (where applicable) partially apportioned to Nevada; or (b) registered in Nevada; and
3. The Contractor shall maintain and make available for inspection within Nevada all payroll records

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related to the Project.

Contractor recognizes and accepts that failure to comply with any requirements herein shall be a material breach of the contract and entitle the City of Sparks to liquidated damages in the amount set by statute. In addition, the Contractor recognizes and accepts that failure to comply with any requirements herein may lose its certification for a preference in bidding and/or its ability to bid on any contracts for public works pursuant to NRS Chapter 338.

To the extent Contractor has sought, qualified and receives a bidding preference, and this project has a value of over \$250,000 pursuant to Nevada Revised Statutes Chapter 338, each contract between the contractor, applicant or design-build team and a subcontractor must provide for the apportionment of liquidated damages assessed pursuant to this section if a person other than the Contractor was responsible for the breach of a contract for a public work caused by a failure to comply with a requirement of Items 1-3 within this section. The apportionment of liquidated damages must be in proportion to the responsibility of each party for the breach.

This section shall not be applicable for projects in which some or all of the funding comes from Federal sources.

34. Tie Bids:

Should identical low, responsive and responsible bids be received from two bidders, the City of Sparks Purchasing Manager shall notify all parties involved in the tie and may at his option utilize a coin-flip to determine the low bidder who shall be recommended for award. Or;

Should there be three or more low, responsive and responsible tie bids the Purchasing Manager shall exercise the following tie breaking method, unless another alternative is apparent and prudent: The City of Sparks Purchasing Manager shall set a mutually agreed upon time where, in his office, he shall shuffle a new deck of playing cards and have each bidder's representative cut the cards. The tie bidder who cuts the highest card (with Ace high) shall be recommended for bid award.

35. Appeals/Protests – Bids Only (Not Applicable to Request for Proposals):

A person who submits a bid on a contract may, after the bids are opened and within 5 business days after the date the "Recommendation to Award" is issued by the City, unless otherwise stated in the Special Conditions, file a notice of protest regarding the awarding of the contract. The City's "Recommendation to Award" will be dated and posted on the City's public website within the area where bid notices and bid re-caps are posted (Currently: <http://www.cityofsparks.us/bids>).

- (a) A notice of protest must include a written statement setting forth with specificity the reasons the person filing the notice believes the applicable provisions of law were violated.
- (b) A person filing a notice of protest may be required by the governing body or its authorized representative, at the time the notice of protest is filed, to post a bond with a good and solvent surety authorized to do business in this State or submit other security, in a form approved by the governing body or its authorized representative, to the governing body or its authorized representative who shall hold the bond or other security until a determination is made on the protest. A bond posted or other security submitted with a notice of protest must be in an amount equal to the lesser of:
 - (1) Twenty-five percent of the total value of the bid submitted by the person filing the notice of protest;
 - or
 - (2) Two hundred fifty thousand dollars (\$250,000).

General Conditions



- (c) A notice of protest filed in accordance with the provisions of this section operates as a stay of action in relation to the awarding of any contract until a determination is made by the governing body or its authorized representative on the protest.
- (d) A person who submits an unsuccessful bid may not seek any type of judicial intervention until the governing body or its authorized representative has made a determination on the protest and awarded the contract.
- (e) A governing body or its authorized representative is not liable for any costs, expenses, attorney's fees, loss of income or other damages sustained by a person who submits a bid, whether or not the person files a notice of protest pursuant to this section.
- (f) If the protest is upheld, the bond posted or other security submitted with the notice of protest must be returned to the person who posted the bond or submitted the security. If the protest is rejected, a claim may be made against the bond or other security by the governing body or its authorized representative in an amount equal to the expenses incurred by the governing body or its authorized representative because of the unsuccessful protest. Any money remaining after the claim has been satisfied must be returned to the person who posted the bond or submitted the security.

36. Documentation:

Due to the time constraints that affect contract performance, all required documents, certificates of insurance and bonds shall be provided to the City within ten (10) calendar days following award or date of request by City, whichever is later. Any failure to comply may result in bid being declared non-responsive and rejected, and at City's option, the bid bond may be attached for damages suffered.

37. Discounts:

- (a) Prompt payment discounts will not be considered in evaluating bids for award. However, offered discounts will be taken if payment is made within the discount period, even though not considered in the evaluation of bids.
- (b) In connection with any discount offered, time will be computed from date of delivery and acceptance, or invoice receipt, whichever is later. Payment is deemed to be made for the purpose of earning the discount on the date of mailing of the City check.
- (c) Any discount offered other than for prompt payment should be included in the net price quoted and not included in separate terms. In the event this is not done, the City reserves the right to accept the discount offered and adjust prices accordingly on the Purchase Order.

38. Seller's Invoice:

Invoices shall be prepared and submitted in duplicate to the address shown on the Purchase Order. Separate invoices are required for each Purchase Order. Invoices shall contain the following information: Purchase Order number, item number, description of supplies or services, sizes, unit of measure, quantity, unit price and extended totals.

39. Inspection and Acceptance:

Inspection and acceptance will be at destination unless specified otherwise, and will be made by the City department shown in the shipping address or other duly authorized representative of the City. Until delivery and acceptance, and after any rejection, risk of loss will be on the bidder unless loss results from negligence of the City.



40. Lost and Damaged Shipments:

Risk of loss or damage to items prior to the time of their receipt and acceptance by the City is upon the bidder. The City has no obligation to accept damaged shipments and reserves the right to return at the bidder's expense damaged merchandise even though the damage was not apparent or discovered until after receipt of the items.

41. Late Shipments:

Bidder is responsible to notify the City department receiving the items and the Purchasing Manager of any late or delayed shipments. The City reserves the right to cancel all or any part of an order if the shipment is not made as promised.

42. Document Ownership:

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

43. Advertisements, Product Endorsements:

City employees and agencies or organizations funded by the City of Sparks are prohibited from making endorsements, either implied or direct, of commercial products or services without written approval of the City Manager. No bidder may represent that the City of Sparks has endorsed their product or service without prior written approval.

44. Vendor Workplace Policies

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

The City of Sparks 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).

45. Business License Requirement:

All companies doing business with, or within, the City of Sparks are required to obtain and maintain a current business license from the City of Sparks prior to the commencement of work per Sparks Municipal Code Section 5.08.020A. Bidder(s) awarded a contract resulting from this bid shall be required to obtain a current business license if they do not already possess one.

46. City Provisions to Prevail:

Except as indicated in the specifications, the City's standard General Conditions shall govern any contract award. Any standard terms and conditions of bidder submitted by bidder shall not be acceptable to City unless expressly agreed to by the City. The City reserves the right to reject bidder's bid as non-responsive, to consider the bid without bidder's standard terms and conditions, or to require bidder to delete reference to such, as a condition of evaluation or award of the bid. If, after award of contract, bidder (contract vendor) provides materials or services accompanied by new or additional standard terms or conditions, they too shall be considered void and City may require deletion as a further condition of performance by vendor.

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47. Invalid Provisions:

In the event that any one or more of the provisions of this agreement shall be found to be invalid, illegal or unenforceable, the remaining provisions shall remain in effect and be enforceable.

48. Amendments and Modifications:

The Purchasing Manager may at any time, by written order, and without notice to the sureties, make a modification to the contract or an amendment to the Purchase Order, within the general scope of this contract, in (1) quantity of materials or service, whether more or less; (2) drawings, designs, or specifications, where the supplies to be furnished are to be specially manufactured for the City; (3) method of shipment or packing; and (4) place of delivery. If any such change causes an increase or decrease in the cost or the time required for the performance of this contract, an equitable adjustment shall be made by written modification of the contract or amendment to the Purchase Order. Any claim by the bidder for adjustment under this clause must be asserted within 30 calendar days from the notification date.

49. Assignment:

Vendor shall not assign or delegate duties or responsibilities under this agreement, in whole or in part, without prior written approval of the City.

50. Disputes After Award:

Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this contract which is not disposed of by agreement shall be decided by the Purchasing Manager, who shall reduce this decision to writing and mail a copy to the bidder. The decision of the Purchasing Manager shall be final and conclusive, unless bidder requests arbitration within ten (10) calendar days. Pending final decision of a dispute, the bidder shall proceed diligently with the performance of the contract and in accordance with the Purchasing Manager's decision.

51. Arbitration after Award:

Any and all disputes, controversies or claims arising under or in connection with the contract resulting from this bid, including without limitation, fraud in the inducement of this Contract, or the general validity or enforceability of this Contract, shall be governed by the laws of the State of Nevada without giving effect to conflicts of law principles, may be submitted to binding arbitration before one arbitrator, and shall be conducted in accordance with the Commercial Arbitration Rules of the American Arbitration Association in a private manner in Washoe County, Nevada. This award shall be final and judgment may be entered upon it in any court having jurisdiction thereof. In reaching this final award, the arbitrator shall have no authority to change or modify any provision of this Contract. All other expenses of arbitration shall be borne equally by the parties. All fees, including legal fees, shall be borne by the party who incurred them. All costs of enforcement shall be borne by the losing party. Each party shall have the right to discovery in accordance with the Nevada Rules of Civil Procedure.

52. 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.

53. Annual Appropriation of Funds:

Multi-year term supply and service contracts and leases are subject to annual appropriation of funds by the City Council. The City plans and makes appropriations to the City Budget with respect to a fiscal year that starts July 1st and ends June 30th of each year. Payments made under term contracts and leases are considered items

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of current expense. Purchase Orders are funded when issued; therefore, they are current expense items and are not subject to any subsequent appropriation of funds.

Continuance of a multi-year contract beyond the limits of funds available shall be contingent upon appropriation of the requisite funds in the ensuing fiscal year and the termination of this contract due to lack of appropriation shall be without penalty.

54. Extension:

When in the City's best interest, this agreement may be extended on a daily, month-to-month, or annual basis by mutual agreement of both parties. Services and/or materials received under an extension shall be in accordance with pricing, terms, and conditions, as described herein.

55. Termination:

The City may terminate this agreement and be relieved of any consideration to the vendor should vendor fail to perform in the manner required. Furthermore, the City may terminate this agreement for any reason without penalty upon giving thirty (30) days written notice to the vendor. In the event of termination, the full extent of City liability shall be limited to an equitable adjustment and payment for materials and/or services authorized by and received to the satisfaction of the City prior to termination.

56. 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.

Special Conditions and Specifications (Specific to Project)

In instances where the Special Conditions conflict with the General Conditions, the Special Conditions will prevail with respect to that instance or item(s).

SPECIAL PROVISIONS
4TH STREET SEWER & STORM DRAIN PROJECT
BID #22/23-014 / PWP# WA-2023-103

These Special Provisions supplement and modify the Standard Specifications for Public Works Construction, 2012 version as adopted by the City of Sparks, Nevada. All of the requirements and provisions of said Standard Specifications shall apply except where modified by the plans and these Special Provisions.

SECTION 1: SCOPE OF WORK

Workscope: The work includes but is not limited to, removal and replacement of sewer and storm drain mainlines and laterals, removal and replacement of sewer and storm drain manhole structures, temporary asphalt patching and traffic control on City streets identified within the bid documents .

SECTION 2: SPECIAL PROVISIONS

The requirements set forth in these “Special Provisions” shall be used in addition to those set forth in “Standard Specifications for Public Works Construction”.

SECTION 3: STANDARD SPECIFICATIONS

All materials furnished and work performed shall be done in accordance with the 2012 version of the “Standard Specifications for Public Works Construction” (Orange Book) and any revisions thereto if not covered or amended by the Special Provisions. The “Standard Specifications for Public Works Construction” are herein referred to as “Standard Specifications”.

SECTION 4: STANDARD DETAILS

All materials furnished and work performed shall be done in accordance with the most current edition of the City of Sparks “Standard Details” located on the City’s website. For any work not specifically covered by the City’s ‘Standard Details’, the contractor shall refer to the “Standard Details for Public Works Construction” (Orange Book), and any revisions thereto if not covered or amended by the Special Provisions.

SECTION 5: NOTICE TO PROCEED AND TIME SCHEDULE

An official "Notice to Proceed" specifying the date by which construction operations shall be started will be issued in writing and delivered to the CONTRACTOR by the City at the Pre-construction Meeting. Contract time will begin on the date specified in the "Notice to Proceed", unless operations begin at an earlier date, in which case the date that such operations begin will apply. The CONTRACTOR shall immediately begin and diligently prosecute the work to completion. **Work on this project is expected to start within twenty-one (21) calendar days or sooner after award of council. Anticipated City Council date of January 9, 2023.** The CONTRACTOR shall obligate himself to complete the work within the stated time limits. All work described in this document shall be completed within **fifty (50) working days** from the time of issuance of the Notice to Proceed.

SECTION 6: LIQUIDATED DAMAGES

In case all work called for under the contract is not completed before or upon the expiration of the time limits set forth above, it is agreed by the parties to the contract that damage will be sustained by the City and that it will be impracticable to determine accurately the actual damage the City will sustain in the event of any such delay. Therefore, the CONTRACTOR shall pay to the City:

- FIVE HUNDRED DOLLARS (\$500.00) for each and every working day delay after the fiftieth (50) working day completion time limit.

In finishing the work in excess of the dates prescribed and the City shall further have the right to charge to the CONTRACTOR, his heirs, assigns or sureties and to deduct from the final payment for the work, all or any part as it may deem proper of the actual cost of which are directly chargeable to the contract and which accrue during the period of such extensions, except that the cost of the final surveys and preparation of final estimate shall not be included in such charges.

The City may deduct this amount from any money due or that may become due the CONTRACTOR under the contract. This payment shall not be considered as a penalty, but as liquidated damages suffered by the City on account of the failure of the CONTRACTOR to complete the work within the time limit of the contract.

SECTION 7: EXCUSABLE DELAYS

The CONTRACTOR shall not be assessed with liquidated damage nor the cost of City Project Coordinator inspection during any delay in the completion of the work caused by acts of God, the public enemy, fire, floods, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather, or due to such causes, provided that the CONTRACTOR shall within ten (10) days from the beginning of such delay notify the City Project Coordinator in writing of the causes of delay. The Project Coordinator's findings of the facts thereon shall be final and conclusive.

SECTION 8: INTENT OF THE PLANS AND SPECIFICATIONS

The intent of the plans as designed by Eastern Sierra Engineering (ESE) for the CITY OF SPARKS 4TH STREET SEWER & STORM DRAIN PROJECT, dated November 11, 2022 and specifications is to prescribe a complete outline of work, which the CONTRACTOR undertakes to do in full compliance with the contract.

The CONTRACTOR shall furnish all required materials, equipment, tools, labor and incidentals, unless otherwise provided in the contract and shall include the cost of these items in the contract unit prices for the several units of work. All items of work called for on the plans or in the specifications and not included as a separate item in the proposal shall be considered as incidental to the other items listed in the proposal and the payment for such incidental items shall be considered as included in the contract unit prices bid.

SECTION 9: AUTHORITY OF THE PROJECT COORDINATOR AND INSPECTOR

All work shall be done under the supervision of the Project Coordinator acting on behalf of the City. The City Project Coordinator shall decide all questions that arise as to the quality and acceptability of materials furnished, work performed, manner of performance, rates of progress, interpretation of the plans and specifications, acceptable fulfillment of the contract and compensation under the specifications. He shall determine the amount of work performed and materials furnished and his decision and estimate shall be final. The City Project Coordinators estimate shall be "condition precedent" to the right of the CONTRACTOR to receive money due him under the contract. The City Project Coordinator does not have authority to authorize changes in plans and specifications without prior written approval of the Engineer.

The City shall provide an inspector who will represent the City and shall make inspections of all work, sample and test materials and do such other work relative to supervision of the project as he may be assigned by the City. All instructions given by the inspector are subject to approval by the City Project Coordinator.

SECTION 10: CHANGE ORDERS

The City of Sparks reserves the right to make alterations or supplements to the Contract. Change Order Forms are required for all changes in decreases and/or increases of quantities and/or dollar amount changes in accordance with the Standard Specifications and required by the City of Sparks.

SECTION 11: COOPERATION WITH OTHER CONTRACTORS

The CONTRACTOR shall cooperate with other CONTRACTOR's who may be employed by the City on construction of other work adjacent to or in the proximity of the location of the project. The City has been made aware of the following projects:

1. NV Energy 4th Street Gas Main Replacement – 4th Street between O Street and Richards Way. Approximate Start Date – Mid-January 2023; duration 8-10 weeks.
2. Washoe County RTC 4th Street Reconstruction Project – Greenbrae Drive to McCarran Way. Approximate Start Date – Mid-March 2023.

SECTION 12: DISPOSAL OF EXCESS AND WASTE MATERIALS

Trash, construction debris, cleared vegetation, excavated material unsuitable to be incorporated in the construction shall become the property of the CONTRACTOR and shall be removed by the CONTRACTOR and shall be legally disposed of offsite in accordance with all federal, state, and local regulations. All street grindings and pulverized material that will be exported will become the property of the contractor. Hauling and disposal will be at the contractor's expense.

SECTION 13: LIMITS OF CONTRACTOR'S OPERATIONS

If the CONTRACTOR's operations result in damage to any publicly or privately owned facilities outside the limitations of the construction easement, the CONTRACTOR shall, at his expense, repair such damage or indemnify the owner of the damaged property.

If the CONTRACTOR negotiates with property owners for the use of land for construction operations outside the limits of the construction easements, he shall do so at his own risk and the City will assume no liability for such use of private property. All agreements between the CONTRACTOR and private property owners shall be in writing and the City will be furnished copies of such agreements.

At no time will the CONTRACTOR be allowed to store debris or materials on the street overnight. All asphalt, concrete, soil and aggregate base will be hauled off at the conclusion of each working day. Materials for installation of Drop Inlets (Pipe, boxes frame and cover) will be allowed to be stored onsite with the approval of the Project Coordinator or inspector.

SECTION 14: PROTECTION OF EXISTING UTILITIES

The location of existing utilities and drain lines shown on the plans are not guaranteed, but indicates generally their location according to the best knowledge of the Project Coordinator. The CONTRACTOR shall notify Underground Services Alert (USA Dig) at 1-800-227-2600, and NV Energy, Truckee Meadows Water Authority (TMWA), SBC, Charter Communications and other cable companies not less than five (5) working days prior to the start of construction to verify the location and depths of utilities.

The CONTRACTOR shall inform himself of the exact location of all vaults, boxes, conduits, ducts, cables, pipe systems, etc. and shall protect said utilities. Any damage caused by operation of the CONTRACTOR shall be repaired by the CONTRACTOR at his own expense. It shall be the CONTRACTOR's responsibility to contact the impacted utility for any replacement hardware.

SECTION 15: CONTRACT AMOUNT

The total amount payable under this contract shall be determined by the sum of the amounts earned and the various quantities of repairs actually made and determined from unit prices as furnished by the CONTRACTOR in the schedule of prices contained in his proposal. The various quantities of repairs in the bid proposal are estimates and the City of Sparks reserves the right to vary quantities as may be necessary.

SECTION 16: PRECONSTRUCTION CONFERENCE

After the execution of the contract, but prior to the commencement of any work, a preconstruction conference between the CONTRACTOR and the city will be held at a mutually acceptable time and place.

SECTION 17: MEASUREMENT FOR PAYMENT

Whenever possible, the actual quantities installed or work performed on any project shall be measured on the site of the work by a crew composed of both the CONTRACTOR and the Project Coordinator. This combined crew shall record all measured quantities in field notebooks, in legible and understandable entries. The CONTRACTOR and the Project Coordinator shall each have a set of field notes which are to be in agreement on all quantities and items measured and shall include all work accomplished on the project under contract. Each set of field measurements shall be initialed and dated by responsible representatives of the CONTRACTOR and the Project Coordinator participating on the combined crew. In the event that it is not possible to form a combined crew for the measurements, the area repaired shall be measured by the Project Coordinator.

SECTION 18: SURFACE MOUNTED UTILITY ADJUSTMENT

It shall be the CONTRACTOR's responsibility to adjust all surface mounted utility appurtenances, such as manholes, survey monument covers and valve boxes to grade consistent with the grade of the restored street surface.

SECTION 19: PRE/POST-CONSTRUCTION WALK-THRU

The CONTRACTOR, Inspector, and/or City Project Coordinator shall conduct a pre and post construction walk-thru. This shall be accomplished to determine limits of construction and existing conditions at each site and the surrounding area. The CONTRACTOR should walk the site and note all existing conditions. Concrete pavers, mow strips, fencing, edging, sprinklers block and brick walls, etc. are within this area. Any damage and finish back to these landscapes will be included within the scope of work and no additional pay item will be allowed for this work.

The CONTRACTOR will be required to video tape the entire project prior to any construction including all effected properties and staging locations. This video media will be in a DVD format and a copy of the DVD will be provided to the City. Areas near the property lines, back of sidewalk and driveways, landscaping, mow strips, fences and edging should be videoed in great detail to avoid any damage or disputes with property owners. The CONTRACTOR will be required to replace and or repair all areas that damaged by construction activities. Areas that are in question or concern should be noted on the video and the CONTRACTOR should notify the City Project Coordinator or inspector.

SECTION 20: WORKING DAY, WORK HOURS, SATURDAY, SUNDAY, HOLIDAY AND OVERTIME WORK

Sparks Municipal Code 20.04.005.D restricts construction hours to 5:00 A.M. until 7:00 P.M., Monday through Friday and 8:00 A.M. until 5:00 P.M. on Saturday. For this project, the defined construction hours will be 7:00 A.M until 7:00 P.M., Monday through Friday unless otherwise required by these specifications or requested by the City Project Coordinator. The CONTRACTOR shall not commence

Construction operations before seven o'clock (7:00 A.M. Pacific Time) each working day except as directed by the City Project Coordinator and as specified herein.

The CONTRACTOR shall not perform any contract work on Saturday, Sunday, legal Holidays and outside of the twelve (12) hours available during a regular working day except as directed and approved by the city Project Coordinator and as specified herein.

When directed to or requesting to work outside of the legally permitted construction hours defined above, the CONTRACTOR shall first obtain approval from the City Project Coordinator at least seventy-two (72) hours prior to commencing such overtime work. If the CONTRACTOR plans to perform work on Saturday or Sunday, he/she shall obtain approval by the Wednesday prior to work on the Saturday or Sunday for which work is planned. If the CONTRACTOR plans to perform work on a legal Holiday, he/she shall first obtain approval from the City Project Coordinator at least 72 hours in advance.

CONTRACTOR shall obtain approval through the Temporary Use Permit (T.U.P.) and pay a fee of one hundred (\$100.00) dollars to work outside of the above legally permitted construction hours. The request shall include justification of how public safety or project performance will be enhanced through working outside of the restricted construction hours. Submittal and payment of fees does not guarantee approval.

The CONTRACTOR shall be charged for all of City of Sparks' employee(s) time spent for overtime, Saturday, Sunday or Holiday work, based on the employee's hourly rate, plus benefits. The CONTRACTOR will be notified of the costs incurred and if the payment is not made, such costs will be deducted from any payment due to the CONTRACTOR. In addition to the charge for the City employee(s) time outside a standard workday,

The City of Spark recognizes the following legal Holidays:

January 1	New Year's Day
3 rd Monday in January	Martin Luther King, Jr. Birthday
3 rd Monday in February	President's Day
Last Monday in May	Memorial Day
3 rd Monday in June	Juneteenth
July 4	Independence Day
1 st Monday in September	Labor Day
Last Friday in October	Nevada Day
November 11	Veteran's Day
4 th Thursday in November	Thanksgiving Day
4 th Friday in November	Family Day (day after Thanksgiving)
December 25	Christmas Day

SECTION 21: SUBMITTALS

Submittals for the following items shall be provided at the time of the preconstruction meeting and shall have been performed within the previous 12 months. Two (2) copies of each item should be submitted.

- Backfill Materials - Aggregate Base, Drain Rock, Class E
- Separation Fabric
- SDR-35 Storm Drain Pipe and appurtenances
- SDR-35 Sanitary Sewer pipe and appurtenances
- Manhole Rings, Covers and appurtenances
- Excavatable Slurry

SECTION 22: TRAFFIC CONTROL PLANS

All traffic control shall conform to the latest editions of the NDOT Work Zone Traffic Control Handbook and the Manual on Uniform Traffic Control Devices (MUTCD) and as directed by the City of Sparks Community Services Department.

The CONTRACTOR shall designate a Traffic Control Supervisor (TCS), certified by the American Traffic Safety Services Association (ATSSA), who shall be responsible for planning, initiating, installing and maintaining all traffic control devices, as shown on the traffic control plan, as specified in the MUTCD and these specifications. The designated construction TCS shall be available to be contacted twenty-four (24) hours a day, seven (7) days a week, for the life of this Contract.

The traffic control plan shall scaled such that all proposed signage and traffic control for all streets in the entire unit can be seen on one full size (24"x 36") or half size (11"x17") plan sheet. The CONTRACTOR shall submit two (2) copies of proposed traffic control plan to the Project Coordinator for review and comments five (5) working days prior to the pre-construction meeting. The proposed traffic control plan shall be prepared and signed by a certified TCS, retained by the CONTRACTOR.

The CONTRACTOR's traffic control plans shall include, but not be limited to, the following:

- Proposed construction zone and existing speed limits
- All construction signing
- Message board locations
- Location of flaggers
- Types and locations of traffic control devices
- Temporary lane striping
- Construction phasing
- Lane crossovers between construction phases
- Method for maintaining traffic signal functions
- Special events accommodations
- Detours
- Accommodations for pedestrian, bicycle, and transit facilities

If, during construction, revisions to the accepted plan is necessary or safety or accommodation to traffic, these changes must also be prepared by the ATSSA certified, Traffic Control Supervisor.

The City Project Coordinator may authorize a suspension of work during unfavorable weather or other conditions beyond the control of the CONTRACTOR. During such a suspension, the CONTRACTOR shall make passable and shall open to traffic such portions of the project under improvement and such temporary roadways or portions thereof as may be agreed upon between the CONTRACTOR and the City Project Coordinator for the accommodation of necessary traffic during the period of suspension. The maintenance of the temporary route, replacement or renewal of any work or materials lost or damaged, removal of any work or materials and temporary maintenance shall be at the expense of the CONTRACTOR.

Existing roadways will only be allowed to be closed to thru traffic only. Flaggers will be required if the City Project Coordinator believes it is needed due to current activity or traffic safety. Failure to comply with Flagger requirements will result in an immediate shut down of all construction activity. Work will resume when the flagger requirement has been satisfied.

During non-working hours any hazardous section of the work shall be outlined with markers and flares. If deemed necessary by the City Project Coordinator, barricades shall be erected to protect public traffic

or he may direct the CONTRACTOR to furnish flagger(s) and pilot cars. Such markers, flares, barricades, flagging or piloting shall be at the expense of the CONTRACTOR.

When the CONTRACTOR's hauling equipment is required to merge with a cross traffic and at such other points which may be necessary to maintain safe traffic conditions, flaggers shall be provided to each side of the impairment to stop and direct traffic.

In case of damage to detours due to storms or other causes, the CONTRACTOR shall at once repair the damage, provide other detours or provide for carrying traffic through construction operations. Water shall be applied at points and in amounts as directed by the Project Coordinator, to keep the roadbed firm, smooth, stable and to reduce the dust hazard to a minimum.

Construction Zone Signs shall be placed on all cross streets where traffic is to be maintained. They shall be placed a sufficient distance from the construction to give motorist's adequate warning of the construction. None of the provisions herein shall be construed to restrict or prohibit, at any time, the prosecution of items of work, which will not interfere with the use of existing streets.

All flagging, piloting, signs, barricades, maintenance of work, streets, structures, detours, temporary approaches, replacement or renewal of work, water applied for these items or for dust control, shall not be paid for directly, but shall be included in various pay items of the proposal and the CONTRACTOR shall not be paid an additional amount for such work. When so ordered by the Project Coordinator, detours shall be surfaced and the materials needed shall be paid for by the cubic yard or ton as set forth in the pay items of the proposal.

SECTION 23: CLEANUP AND DUST CONTROL

It shall be the CONTRACTOR's responsibility to provide cleanup and dust control throughout all phases of construction, including suspension of work, and until final acceptance of the project. The CONTRACTOR shall keep the work site and other adjacent areas clean and free from rubbish and debris. The CONTRACTOR shall also abate dust nuisance by cleaning, sweeping, and sprinkling with water, or other means as necessary. A power broom will not be an acceptable means of cleaning the site unless used in conjunction with water to prevent dust from the power broom operation. The use of water resulting in mud on public streets will not be permitted as a substitute for sweeping or other methods. All water used for dust control must be from a potable water source.

All construction procedures shall conform to WCDHD-AQMD standards.

Excess excavated material from trenches, manholes, catch basins or similar structures in public streets shall be removed from the site immediately. Sufficient material may remain for use as backfill but shall not remain during non-working hours. Forms and form lumber shall be removed from the site as soon as practical after stripping. No screening of excavated material will be allowed in the street. The CONTRACTOR shall remove all trash from the site in a timely manner. At no time shall the CONTRACTOR permit disposal of trash in any excavation.

Materials and equipment shall be removed from the site as soon as they are no longer necessary; and, upon completion of the work and before final inspection, the entire worksite shall be cleared of equipment, waste and unused materials, construction debris and rubbish so as to present a satisfactory clean and neat appearance.

Care shall be taken to prevent spillage on haul routes. Any such spillage shall be removed immediately, and the area cleaned.

Failure of the CONTRACTOR to comply with the City's cleanup orders may result in an order to suspend work until the condition is corrected. Working days will continue to be counted during the suspension. No additional compensation will be allowed as a result of such suspension. No extension of contract time will be allowed as a result of such suspension.

If the contract time expires before final cleanup has been completed, liquidated damages, as specified in these Special Provisions, may be imposed.

SECTION 24: FORCE ACCOUNT

THIS ITEM SHALL BE IDENTIFIED AS A CONTINGENT ITEM. The use of this contingent item will be as directed by the Project Coordinator. The quantity of the above contingent item of work, as set forth on the bid schedule represent no actual estimate, is nominal only and may be greatly increased or decreased or reduced to zero. The increase or reduction of this quantity as compared with that set forth on the bid schedule shall not constitute a basis for claim by the CONTRACTOR for extra payment or damages.

Force Account items as defined by the City of Sparks will be additions to the contract arising within the course and scope of the contract for incidental costs due to unforeseen circumstances. Unforeseen circumstances include but are not limited to the following:

Emergency repairs, complications arising with interfacing new improvements to existing improvements, emergency pumping, emergency light/power plants, premium time or overtime to accelerate portions of work, unexpected utility modifications or conflicts, correcting existing substandard work, requested traffic control measures or signage, over-excavation of unsuitable materials, unknown field conditions, underground storage tanks, asbestos encountered, or any other miscellaneous or incidental items related to unforeseen circumstances.

Any force account items shall be adjusted daily upon report sheets, furnished to the City Project Coordinator by the CONTRACTOR and signed by both parties. These daily reports shall thereafter be considered the true record of force account items for unforeseen circumstances. No additional incidental work shall be performed or made except upon a written order from the City Project Coordinator.

SECTION 25: INSURANCE AND INDEMNIFICATION

The CONTRACTOR shall not commence any work nor permit a Subcontractor to commence work on this project until satisfactory proof has been presented to the City of Sparks Purchasing Division that all insurance requirements as outlined by the City have been met.

The CONTRACTOR shall provide and maintain, during the effective life of the awarded contract, Comprehensive General Liability Insurance covering the CONTRACTOR and the City of Sparks.

SECTION 26: GARBAGE PICK UP

This is for recycled materials and garbage. It will be the responsibility of the CONTRACTOR to coordinate with Waste Management and residents to ensure that garbage collection is uninterrupted.

SECTION 27: LOCATION OF WORK, PUBLIC RELATIONS

It shall be the CONTRACTOR'S responsibility to notify, in writing, all residents and businesses adjacent to this project of the construction working hours and duration of work. Notification shall be provided directly to impacted properties (i.e. properties abutting the work) seven (7) calendar days prior to beginning work at that location **excepting** notification for Monday and Tuesday work shall be provided no later than 7:00 PM Thursday. Notification shall be in the form of a "door hanger" or flyer that is hand-delivered by the

CONTRACTOR to each residence/business. A copy of the written communication must be provided to the City Project Coordinator and approved before being dispersed.

Special consideration shall be given to schools to accommodate schedules for pedestrians, student drop-off, and busses. Contractor shall coordinate all work associated with this project with the two elementary schools, Drake Elementary and Greenbrae Elementary School, located adjacent to 4th Street. Pedestrian access must be provided and maintained at all times.

“NO PARKING” signs shall be displayed on streets at least 24 hours prior to operations. Signs shall be legible from inside vehicles and state the day and dates work will be performed. Signs shall be free from defects and unbroken.

In the event of delays that require rescheduling of work, the CONTRACTOR shall re-notify impacted properties in the same manner as described in the paragraphs above.

SECTION 28: CONSTRUCTION STAKING AND MATERIAL TESTING

Construction staking for manholes and mainline pipe alignment, compaction testing, will be provided by the City. Twenty-four (24) hour notice must be given by the CONTRACTOR to the Project Coordinator or Inspector prior to any staking and/or testing.

SECTION 29: CONSTRUCTION PHASING

Project Phasing will be required due to the work being done by NV Energy on 4th Street between O Street and Richards Way. Work sequence shall be as follows:

Phase 1 (Sewer and Storm Drain Between York Way and Gault Way) –Work will generally consist of removal and replacement of existing sewer and storm drain improvements, including excavation, pipe removal, manhole removal, placement of pipe bedding, placement of SDR-35 pipes, placement of manhole structures, backfill and temporary asphalt patches as shown on the plans. The roadway between York Way and Gault Way may be closed to thru traffic during this phase however, either the 4th Street/York Way intersection or the 4th Street/Richards Way intersection shall be always open to traffic during this phase. Coordination with the NV Energy work will be required. Pedestrian access shall be maintained on at least one side of the roadway during this phase and extra safety measures may be required to protect the school pedestrian traffic for the construction zone.

Phase 2 (Sewer and Storm Drain Between York Way and Greenbrae Drive) –Work will generally consist of removal and replacement of existing sewer and storm drain improvements, including excavation, pipe removal, manhole removal, placement of pipe bedding, placement of SDR-35 pipes, placement of manhole structures, backfill and temporary asphalt patches as shown on the plans. The roadway between York Way and Greenbrae Drive may be closed to thru traffic during this phase however, two (2) of the following intersections must be always open during this phase of construction: 4th Street/York Way intersection, 4th Street/Richards Way intersection and/or 4th Street/Greenbrae Drive Intersection. Coordination with the NV Energy work will be required. Pedestrian access shall be maintained on at least one side of the roadway during this phase and extra safety measures may be required to protect the school pedestrian traffic for the construction zone.

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BID ITEM CLARIFICATIONS
4th STREET SEWER & STORM DRAIN PROJECT
BID #22/23-014 / PWP# WA-2023-103

BID ITEM 1 ~ Furnish and Install 8-inch SDR-35 Sanitary Sewer Main Pipe, Removal/Disposal of Existing Pipe, Temporary Patch and all Appurtenances

This work shall consist of all labor, materials, equipment, tools, excavation, trenching, compaction, loading, hauling, unloading, and all incidentals necessary to complete the installation of 8-inch SDR 35 sewer mainline pipe. Pipe shall be furnished complete with all joining materials and other necessary appurtenances. All damaged or defective pipe and appurtenances shall be rejected and removed from the project site. The work shall include, saw cutting, trenching, dewatering, shoring, bypass pumping, bedding, backfill, compaction, removal of the existing pipe, disposal of existing pipes, installation of new pipe, connections to new/existing manholes, sealing of manhole terminations, finishing of the connections to new/existing manholes, disposal of excavated materials including asphalt, temporary pavement patching, incidentals and appurtenances necessary to complete the pipeline installation work.

The final pay quantity shall be by field measurement at the applicable unit price bid per linear foot which shall be deemed full compensation to complete the work as specified.

BID ITEM 2 ~ Furnish and Install 8-inch SDR-35 Sanitary Sewer Main Pipe, Temporary Patch and all Appurtenances

This work shall consist of all labor, materials, equipment, tools, excavation, trenching, compaction, loading, hauling, unloading, and all incidentals necessary to complete the installation of 8-inch SDR 35 sewer mainline pipe. Pipe shall be furnished complete with all joining materials and other necessary appurtenances. All damaged or defective pipe and appurtenances shall be rejected and removed from the project site. The work shall include, saw cutting, trenching, dewatering, shoring, bypass pumping, bedding, backfill, compaction, installation of new pipe, connections to new/existing manholes, sealing of manhole terminations, finishing of the connections to new/existing manholes, disposal of excavated materials including asphalt, temporary pavement patching, incidentals and appurtenances necessary to complete the pipeline installation work.

The final pay quantity shall be by field measurement at the applicable unit price bid per linear foot which shall be deemed full compensation to complete the work as specified.

BID ITEM 3 ~ Furnish & Install 10-Inch, SDR-35 Storm Drain Lateral Pipe, Removal/Disposal of Existing Pipe, Temporary Patch, Slurry Backfill and All Appurtenances

This work shall consist of all labor, materials, equipment, tools, excavation, trenching, compaction, loading, hauling, unloading, and all incidentals necessary to complete the installation of 10-inch SDR 35 storm drain lateral pipe. Replacement of the storm drain lateral pipe shall be from the existing catch basin to the new storm drain mainline. Pipe shall be furnished complete with all joining materials and other necessary appurtenances. All damaged or defective pipe and appurtenances shall be rejected and removed from the project site. The work shall include, saw cutting, trenching, dewatering, shoring, bedding, backfill, compaction, disposal of existing pipes, removal of the existing pipe, installation of new pipe, disposal of excavated materials, temporary pavement patching (as necessary), incidentals and appurtenances necessary to complete the pipeline installation work.

Slurry backfill as called out on the plans shall be included in this bid item.

Installation of the storm drain lateral pipe is anticipated to be "field fit" at the time of placement. The

Contractor shall be responsible for verifying that the proposed alignment can be constructed both horizontally and vertically. The contractor shall also be responsible for verifying the pipe slope which will run consistent from point to point. Once the contractor has established an alignment, they shall review with the City Project Coordinator prior to placement. The "field fit" process shall be considered incidental and should be included in the unit price.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per linear foot which shall be deemed full compensation to complete the work as specified.

BID ITEM 4 ~ Furnish & Install 12-Inch, SDR-35 Storm Drain Main Pipe, Removal/Disposal of Existing Pipe, Temporary Patch, and All Appurtenances

This work shall consist of all labor, materials, equipment, tools, excavation, trenching, compaction, loading, hauling, unloading, and all incidentals necessary to complete the installation of 12-inch SDR 35 storm drain main pipe. Pipe shall be furnished complete with all joining materials and other necessary appurtenances. All damaged or defective pipe and appurtenances shall be rejected and removed from the project site. The work shall include, saw cutting, trenching, dewatering, shoring, bedding, backfill, compaction, removal of the existing pipe, disposal of existing pipes, connections to new/existing manholes, sealing of manhole terminations, finishing of the connections to new/existing manholes, disposal of excavated materials including asphalt, temporary pavement patching (as necessary), incidentals and appurtenances necessary to complete the pipeline installation work.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per linear foot which shall be deemed full compensation to complete the work as specified.

BID ITEM 5 ~ Grout & Abandon Existing 8-inch Sewer

This item includes furnishing all labor, tools, and equipment required to grout and abandon existing pipe in place. This bid item consists of, but is not limited to, saw cutting and asphalt removal and disposal, trench excavation, shoring and sheeting, dewatering, grout the entire section of existing cast iron waterline, cutting and removal of existing water main as required, removal of existing valves to be abandoned, installation of appropriately sized caps, and grout placement and pumping, as shown on the plans and as specified, complete and in place.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per linear foot which shall be deemed full compensation to complete the work as specified.

BID ITEM 6 thru 10 ~ (6) Furnish & Install Type I Storm Drain Manhole, Removal/Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover; (7)Furnish & Install Type I Storm Drain Manhole, Flat Top, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover; (8) Furnish & Install Type IV Storm Drain Manhole, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover; (9)Furnish & Install Type I Sewer Manhole, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover; (10)Furnish & Install Type I Sewer Manhole, Flat Top, Removal/ Disposal of Existing Structure and ALL Appurtenances, Including New Frame and Cover

This item includes providing all labor, materials, equipment, tools, excavation, trenching, dewatering, compaction, shoring, bedding, backfill, loading, hauling, unloading, and all incidentals necessary to complete the installation of Type 1 Manhole at locations as shown in plan set. This item also includes installation of new manhole frames and covers, placement of the

barrel, cone, grade rings, temporary asphalt patching (as necessary), excavation of the existing materials to accommodate the installation of the new manhole per the City Standard detail, disposal of the excavation materials including removal of the existing manhole structure and incidentals at a suitable facility.

Manhole frame and covers shall be raised to existing grade in the temporary asphalt patch but do not require a concrete collar and shall be included in this bid item.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per each which shall be deemed full compensation to complete the work as specified.

BID ITEM 11 ~ Furnish & Install Type I Sewer Manhole, and ALL Appurtenances, Including New Frame and Cover

This item includes providing all labor, materials, equipment, tools, excavation, trenching, dewatering, compaction, shoring, bedding, backfill, loading, hauling, unloading, and all incidentals necessary to complete the installation of Type 1 Manhole at locations as shown in plan set. This item also includes installation of new manhole frames and covers, placement of the barrel, cone, grade rings, temporary asphalt patching (as necessary), excavation of the existing materials to accommodate the installation of the new manhole per the City Standard detail, disposal of the excavation materials and incidentals at a suitable facility.

Manhole frame and covers shall be raised to existing grade in the temporary asphalt patch but do not require a concrete collar and shall be included in this bid item.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per each which shall be deemed full compensation to complete the work as specified.

BID ITEM 12 ~ Furnish & Install New Manhole Cone, Removal/ Disposal of Existing Cone, and ALL Appurtenances, Including New Frame and Cover

This item includes providing all labor, materials, equipment, tools, excavation, trenching, dewatering, compaction, shoring, bedding, backfill, loading, hauling, unloading, and all incidentals necessary to complete the installation of new manhole cone at locations as shown in plan set. This item also includes removal of the existing manhole cone, installation of new manhole frames and covers, temporary asphalt patching (as necessary), excavation of the existing materials to accommodate the installation of the new manhole cone per the City Standard detail, disposal of the excavation materials and existing manhole cone and incidentals at a suitable facility.

Manhole frame and covers shall be raised to existing grade in the temporary asphalt patch but do not require a concrete collar and shall be included in this bid item.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per each which shall be deemed full compensation to complete the work as specified.

BID ITEM 13 ~ Furnish & Install New Frame, Cover, Grade Rings and ALL Appurtenances

This item of work shall consist of all labor, equipment, materials, and incidentals necessary, but not limited to, removal of existing manhole frame and cover, supplying new manhole rims and covers, and raising and installing new rims and covers per Standard Specifications and Details.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per each which shall be deemed full compensation to complete the work as specified.

BID ITEM 14 ~ Remove Existing Manhole Structure, Including Backfill and Temporary Patch

This item includes providing all labor, materials, equipment, tools, excavation, trenching, dewatering, compaction, shoring, bedding, backfill, loading, hauling, unloading, temporary asphalt patching and all incidentals necessary to complete the removal of an existing manhole structure at locations as shown in plan set. This item also includes disposal of the excavation materials and incidentals at a suitable facility.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per each which shall be deemed full compensation to complete the work as specified.

BID ITEM 15 ~ Install Water Line Offset, (Materials Provided by TMWA)

This item includes providing all labor, tools, backfill materials and equipment required to provide the new water line offset as outlined on the project plans. This bid item consists of, but is not limited to, coordination of delivery and water shut downs with TMWA, storage and inspection of materials (provided by TMWA), saw cutting and asphalt removal and disposal, trench excavation, shoring and sheeting, protection of existing utilities, foundation preparation, dewatering, supply and install bedding and backfill per specification, installation of restrained ductile iron pipe, pipe polywrap, field lok gaskets, line location tape and wire placement, leakage testing, joint restraints installation, thrust blocks, ductile iron fitting installation, install temporary pavement patch, and other appurtenance installation as required to provide the item, as shown on the plans and as specified, complete and in place.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per each which shall be deemed full compensation to complete the work as specified

BID ITEMS 16 ~ Furnish and Install Excavatable Slurry Backfill at Waterline Crossings as Designated on the Plans

This item includes furnishing all labor, tools, and equipment required to place excavatable concrete slurry backfill from top of pipe zone to spring line of existing Sewer or Storm Drain crossings as shown on the Plans. This bid item consists of, but is not limited to, placement of excavatable slurry in lieu of sand or type II base from top of pipe zone to spring line of the Sewer/Storm Drain pipe.

Added time to allow the slurry to cure will be needed prior to backfill, no backfilling can occur if the slurry is flowable and/or yielding to pressure in the opinion of the TMWA inspector.

The final pay quantity shall be by field measurement unit at the applicable unit price bid per each which shall be deemed full compensation to complete the work as specified

BID ITEM 17 ~ Provide Traffic Control

This item is the provision of traffic control in accordance with the Section 1.03 “Maintenance of Traffic” of the Special Provisions for all items in the base bid. The work comprising the unit price bid for this item shall consist of all labor, equipment, materials and incidentals necessary to comply with SP 1.03 including, but not limited to, preparation and distribution of plans, notices and reports; setup, removal and maintenance of all barricades, signs, channelizing devices, barrels, cones, flag persons, detours, pilot cars, arrow boards, and message boards; temporary striping; temporary paving; temporary aggregate base; and plantmix bituminous ramps

There shall be no additional payment for changes in the traffic control plan required as a result of changes in the Contractor’s work method or schedule.

Contractor will be required to provide safe pedestrian access which may include but is not limited to signs, fencing, flaggers etc. Contractor will be required to provide a pedestrian safety plan to the City for review prior to the commencement of work. Payment for this work shall be included in this bid item.

Quantity for payment for this item will be per Lump Sum, complete, in place, which shall be deemed full compensation to complete the work as specified.

BID ITEM 18 ~ Force Account

These items are a force account for the purpose of including a reasonably anticipated net increase in the contract amount, approved as necessary by the City of Sparks, for items included in the bid schedule which have increased based on field measured quantities.

The lump sum unit price bid amount of \$75,000.00 for bid item 18 shall be the same for all bidders in accordance with the bid schedule.

There is no direct payment for this item. The FORCE ACCOUNT amount may be used entirely, partially, or not at all.

**TECHNICAL SPECIFICATIONS
4TH STREET SEWER & STORM DRAIN PROJECT
BID #22/23-014, PWP# WA-2023-103**

Unless otherwise amended in these Technical Specifications, all materials, construction methods, etc. shall follow the Standard Specifications for Public Works Construction (Orange Book), 2012 version.

300 CLEARING AND GRUBBING

300.02.03 Protection of plants. Trimming and Root Mitigation - If existing landscaping (trees, shrubs, roots, branches, etc.) encroach into the public right-of-way and interfere with construction activity, the contractor shall notify the adjacent property owner and the City of Sparks before commencing any landscaping modifications such as pruning, trimming, or removal of landscaping. City of Sparks Assistant Public Works Manager, Mark Andersen 353-2271, shall be notified within three (3) days notice of work to be performed. The Contractor shall employ an ISA certified Arborist to perform root crown excavation/root pruning, and shall coordinate this through the Urban Forester.

300.05 Basis of payment. There shall be NO DIRECT PAYMENT for clearing and grubbing. Compensation shall be deemed included in other items of work.

305 TRENCH EXCAVATION AND BACKFILL

305.01 Description. This item shall include furnish all materials, equipment and labor for saw cutting, excavating, trenching, backfilling and temporary patching of all sanitary sewer and storm drain work delineated on the Improvement Plans, in these Specifications or as directed by the Engineer.

The Contractor shall verify all inverts, sizes of connection point, confirm grades, and make exploratory excavations as required to locate all possible conflicting utilities and notify the Engineer in writing of all conflicts prior to ordering materials and prior to commencement of underground construction.

It is anticipated that storm, surface and ground or other waters will be encountered at various times during the work herein contemplated. The contractor shall be responsible for all removal of said water to facilitate the work. All costs associated with removal of groundwater including, but not limited to, bypass pumping shall not be subject to additional payment and be included in applicable pipe installation bid item. Disposal of groundwater into the storm drain system shall not be allowed. The Contractor, by submitting a Proposal, acknowledges that they have investigated the risks arising from such waters and has prepared the Proposal accordingly, and the Contractor by submitting a Proposal assumes all of said risk.

The Contractor shall conduct their operation in such a manner that storm or other waters may proceed uninterrupted along their existing street and drainage courses. Drainage of water from existing catch basins and inlets shall be maintained at all times. Diversion of water for short reaches to protect construction in progress will be permitted if public or private properties are not damaged, or in the opinion of the Engineer, are not subject to probability of damage.

If public or private property becomes damaged by flood or other waters because of the Contractor's operations, the Contractor shall repair such damage to the satisfaction of the appropriate owner at their

expense. The Contractor shall obtain written permission from the applicable public agency or property owner before any diversion of water will be permitted by the Engineer.

Wherever necessary in order to provide proper evacuation of water from the trench and construction area, the Contractor shall at their expense, furnish and operate all necessary pumping equipment, drainage sumps, wellpoint systems and other drainage facilities. Discharge of pumpage shall be at points approved by the Engineer.

305.02 Maximum Length of Open Trench. Maximum length of open trench shall be 300 feet or the amount that can be excavated, pipeline installed, and backfilled within one working day, whichever is less. For work across roads (transverse cuts) the maximum length of open trench shall be 200 feet. The length of time that intersections are closed to traffic must be kept to a minimum. All vehicle travel lanes affected by construction activities shall be opened to traffic before the end of each working day except where approved by the Engineer, or specifically indicated on the construction drawings.

The trench shall be backfilled before the end of each working day. The Contractor may use steel plating over excavations to satisfy the vehicle travel lane requirements before backfill and temporary pavement placing is completed. The use of steel plates shall conform to the following requirements:

- A. Steel plating shall be flush to existing grade with cold mix applied underneath and around all edges of plate to prevent vibration and minimize noise when vehicles travel over plate.
- B. Use plate locks around the perimeter of the road plate or plates. Plate Locks should not be extended beyond the end of the road plate.
- C. The appropriate sized Plate Shims shall be placed under the road plate where there is not direct contact with the road surface giving the plate full bearing aligning Plate Shim holes with Plate Locks mounting holes as per the manufacturers' recommendations.
- D. 3/8" x 4" threaded concrete anchors with washers shall be placed through the Plate Locks and Plate Shim securing holes into the road surface.
- E. Spacing for the concrete anchors shall be at minimum intervals of 24" or less. Anchor a minimum of 4" and a maximum of 8" from each end. Under high traffic conditions, more frequent spacing may be required to eliminate plate creep.
- F. A "non-slip" surface plate shall be used in crosswalks or high pedestrian areas.
- G. Warning signs must be appropriately placed to caution motorists.
- H. Plate lock holes shall be filled with an epoxy grout. Excessive damage to existing asphalt due to plate locks shall be repaired to the satisfaction of the Engineer.

The use of trench plates shall be coordinated through the City Project Coordinator or on-site inspector. Steel trench plates will not be allowed if snow or freezing temperatures are expected.

305.08 Bedding. The bedding materials shall conform to the requirements of Section 200.03.02 "Class A Backfill" and 200.03.04 "Class C Backfill" of the Standard Specifications. A Geotextile fabric shall be non-woven MIRAFL 180N or approved equal shall be used with Class C Backfill. It shall be placed between the backfill and the pipe zone.

In addition to the Standard Specifications, bedding material shall be placed to the limits specified in the Improvement Plans or as shown on the Standard Details. Bedding material shall be compacted to 90% of maximum dry density. Compaction by jetting will not be permitted. Bedding material required for the work day use may only be stored within the limits of the section under construction that is properly cordoned off by traffic control.

305.09 Backfill. Trench backfill material shall be aggregate base materials that conform to the requirements of Section 200.01.03 – “Crushed Aggregate Base” Type 2, Class B or Section 200.01.04 -- “Recycled Aggregate Base” Type 1 (Import) of the Standard Specifications. Crushed or pulverized asphalt concrete, not meeting these requirements, will not be acceptable as aggregate base.

Slurry backfill shall conform to Section 207.02.02 Slurry Cement Backfill, Class A – Excavatable, 50 to 200 psi 28-day strength – of the Standard Specifications for Road and Bridge Construction, Nevada Department of Transportation, latest edition. Excavatable slurry backfill in trenches shall cure for a minimum of 24 hours prior to backfill and compaction on top of slurry.

305.20 Basis of Payment. There shall be no direct payment for trench excavation, bedding, trench backfill (native, imported and/or slurry), filter fabric and densification for the sanitary sewer and storm drain improvements. Compensation for trench excavation, bedding, trench backfill (native, imported and/or slurry), filter fabric, densification and temporary patching as specified to perform the construction operations shall be considered as included in the linear foot price bid for the applicable sanitary sewer or storm drain main replacement bid items, and no additional compensation will be allowed the Contractor.

306 SANITARY SEWER AND STORM DRAIN CONSTRUCTION

306.01 Description. Furnish all labor, equipment, and incidentals necessary for installation of sanitary sewer and storm drain mains and laterals.

306.02 Materials. Materials shall conform to Section 203 – “Non-Pressure and Pressure Pipes”, with the following exceptions;

1. PVC solid wall sanitary sewer and storm drain pipe
Materials for PVC sanitary sewer and storm drain pipe shall conform to the Standard Specifications unless otherwise specified in these specifications. SDR-35 sewer pipe shall meet the requirements of ASTM D2412, and shall meet the minimum stiffness of 46 P.S.I. as defined by the requirements of ASTM D3034 or ASTM F679 applied based on diameter. PVC pipe shall be joined by means of gasketed bell and spigot joints and shall have a home mark on the spigot end to indicate proper penetration when joint is made.
2. Pipe connections
Pipe clamps shall be stainless steel, including bolts and lugs as manufactured by JCM Industries Type 108 or approved equal. Contractor shall furnish full circle, universal clamp couplings with a minimum three-sixteenths (3/16) inch thick neoprene, grid-type gasket. Clamps shall be constructed to fit outside diameter of pipe. Minimum clamp length shall be eighteen (18) inches for replacement pipe O.D. of less than ten and three-quarters (10.75) inches. Flexible couplings shall conform to ASTM C425, as manufactured by Fernco, Series 5000 strong back RC couplings or approved equal.
3. Pipe pillows at main connections
The concrete pillow shall be Portland Cement Concrete (P.C.C.), 3,000 PSI minimum compressive strength at 28 days, minimum of six sacks of cement per cubic yard with a slump of one to four inches.
4. Mechanical service lateral connections
Push on “wye” fittings shall be used for all service lateral connections into mains 8” to 15” unless otherwise approved.

306.04 Gravity Lines. Construction of gravity lines including storm drain laterals shall conform to Standard Specifications Subsection 306. In addition to the Standard Specifications, all sanitary sewer and storm drain pipe shall be constructed with SDR-35 PVC. Sanitary sewer and storm drain pipe shall be laid from the downstream discharge point or connection point to the existing system. The new system shall be constructed so laterals are connected so that any storm runoff will drain freely. Sanitary sewer and storm drain shall be laid with the socket or collar ends of the pipe upgrade unless otherwise authorized by the Engineer. Bell and spigot ends shall be cleaned and lubricated just prior to installation. Pipe shall not be stuck past the home mark.

Fernco, Series 5000 RC couplings or approved equal may be utilized for field joining new pipe to existing pipe at all connection locations. Connections shall be watertight. A concrete pillow shall be constructed beneath the new pipe connection for support. The pillow material shall conform to Section 306.2.3 of these Specifications. The pillow shall have a minimum coverage of six (6) inches under the pipe and extend up to the flowline of the pipes. The length shall be determined in the field by the Engineer. Contractor shall allow sufficient time for concrete pillow to cure and harden prior to backfill. Contractor shall note it is critical that the transition flowlines at pipe junctions are flush and smooth. Joints that have settled causing a vertical offset or separation at the pipe connection flowline shall be repaired at the contractor's expense.

Connections to different types of pipe shall be made by means of flanges, specified adapters, or transition fittings. Where sleeve type couplings are used, both shall be uniformly torqued in accordance with pipe manufacturer's recommendation. Foreign material shall be removed from the interior of the pipe prior to assembly.

The Contractor shall verify all inverts and make exploratory excavations (potholing) as required to locate all possible conflicting utilities and notify the Engineer in writing of all conflicts at least forty-eight (48) hours prior to commencement of any underground construction unless stated otherwise on the Construction Drawings.

The Contractor shall coordinate the relocation of existing private utilities to be performed by Contractor where shown on the improvement plans and where it is determined during construction that said relocation will be necessary due to conflicts with new facilities to be installed or constructed under this Contract.

The Contractor shall cooperate fully with all utility forces, other Contractors, and forces of other public or private agencies engaged in any type of work which may interfere with the progress of the Contractor's work. The Contractor shall schedule the work so as to minimize any interference with the hereinbefore mentioned forces.

The Contractor shall in no way interfere with the operation of existing sewers, storm drains or other pipelines, except as specified herein and shall exercise every precaution to ensure that debris and material from construction operations do not enter the sewer system. Any debris or blockage entering into the sewer or storm drain as a result of the Contractor's work shall be immediately removed at the Contractor's expense.

Testing and inspection of new installations shall conform to Section 336 of these Specifications. The replacement pipe shall not have sags and/or bellies in the main that cause pooling. Contractor shall repair or replace any section of new sewer pipe with sags/bellies at their own expense.

306.04.01 Bypass Pumping. Contractor shall provide labor, materials, and supervision to temporarily

bypass flow around the construction work in accordance with these Specifications.

Sanitary sewer mains shall remain in service at all times throughout the duration of the project. Contractor shall be responsible for diverting flow away from the limits of construction through the use of bypass pumping or flow diversions with prior approval by the Engineer.

Service to laterals shall be disrupted for a period of no more than 8 hours. Laterals within residential areas shall only be out of service between the hours of 8:00 am to 5:00 pm, Monday through Friday. Laterals within business areas shall be addressed on a case by case basis. If Contractor feels that it is necessary to disrupt lateral services for a period longer than 8 hours, Contractor shall provide alternate means of service without disrupting use of the service by the owner/resident.

Bypass routing shall be the responsibility of the Contractor.

Project bypass pumping system requirements are defined below. Projects that are in environmentally sensitive areas or that have high sewage flows may require addition site specific measures.

Criterion 1 Bypass Pumping System with flows equal to or less than 2.5 MGD

Contractor shall maintain on site, the following minimum requirements for all bypass pumping systems:

1. Sufficient equipment and materials to ensure continuous and successful operation of the bypass and dewatering systems. The COMPLETE bypass system, including all piping, shall be continuously monitored by Contractor personnel.
2. A system of pumps and piping operating on site to maintain a minimum 50% over capacity of the anticipated maximum flow (as determined by the Contractor). In addition, the Contractor shall have a standby pump, equal in capacity to the largest pump in the system, piped, plumbed and ready for operation. Standby pumps shall be fueled and operational at all times.
3. The Contractor shall maintain on site a sufficient number of valves, tees, elbows, connections, tools, sewer plugs, piping, hoses and other parts of system hardware to ensure immediate repair or modification of any part of the system as necessary.

306.04.02 Sewer Lateral Verification and Installation. The Contractor shall verify active or inactive (false tap) sewer service laterals by field reconnaissance, direct contact with users, CCTV observation (crawler and push type cameras), dye tracing, use of locator devices, excavation, or any other approved practical technique. All service laterals shall be reconnected except for the capped false taps shown on the improvement plans.

All sewer service lateral connections to new mains shall be reconnected by a “wye” fitting unless other means are required by these plans and specifications. All sanitary sewer service laterals shown on the Improvement Plans or located in the field prior to excavation shall be replaced with new PVC pipe from the point of connection at the mainline to the right-of-way. A new sanitary sewer “two-way” lateral cleanout shall be installed at the right-of-way and a clean connection shall be made to the existing lateral a minimum of eighteen inches beyond the cleanout. Any sanitary sewer service laterals damaged during construction shall be replaced at the Contractor's expense. All sewer service laterals that terminate in manhole structures shall be plugged at the manhole and rerouted to the sewer main per these

Specifications.

306.07 Basis of Payment. Refer to Bid Item Clarification.

306.07 Pipe Abandonment Grouting Material. Grout materials shall consist of Portland Cement and Fly Ash, and/or additives. Biodegradable materials shall not be permitted in the mixture. The grout shall have a minimum penetration resistance of 100 P.S.I in 24 hours when tested in accordance with ASTM C403 and minimum compressive strength of 300 P.S.I in 28 days when tested in accordance with ASTM C495 or C109. Grout material shall have less than 1% shrinkage by volume. The viscosity shall not exceed 20 seconds in accordance with ASTM C939 unless otherwise approved by the Project Coordinator.

320 TEMPORARY PLANTMIX BITUMINOUS PAVEMENT

320.01 Description. This work shall consist of furnishing all materials, equipment, and labor for the preparation, mixing, hauling, placement, and compaction of temporary plantmix bituminous pavement patches as shown on the plans, as specified, and/or as directed by the Project Coordinator.

Plantmix Bituminous Pavement shall be Type 2 or Type 3 aggregate, 50 Blow, 3% or 4% air voids shall be used for all asphalt hot mix for this project.

Temporary Patching as required shall be constructed with no less than two (2) inches in depth, which will be considered as the basic unit depth for temporary patching. The Contractor shall obtain approval from the City Project Coordinator, prior to patching any required extra depth.

320.02 Composition of Mixtures Plantmix Bituminous Pavement shall be a mixture of asphalt cement and plantmix aggregate. PG64-22 shall conform to Table –I II of Section 201.02

320.05 Basis of Payment. There shall be NO DIRECT PAYMENT for temporary plantmix bituminous pavement patches. Compensation shall be deemed included in other items of work.

333 LANDSCAPING

333.03 Site Preparation Elevation differences from existing back of sidewalk and landscaping will occur. The contractor will be required to repair this area to the satisfaction of the city and property owner. Elevations may vary however the maximum it will vary is +/- .15 of a foot. Turf patches will be a minimum of 18” wide. Maintenance of the new sod shall be the responsibility of the homeowner. Special care should be noted where sprinkler system are in place, damage and adjustment of these areas will be required.

333.18 Basis of Payment. There shall be NO DIRECT PAYMENT for modifying the existing landscaping and adjustment to the existing irrigation system. Compensation shall be deemed included in other items of work.

335 CLEANUP

335.01 Description. This work shall consist of furnishing all materials, equipment, and labor for the cleanup of construction areas as specified and/or as directed by the City Project Coordinator. In addition, all requirements of the Washoe County District Health Department for the Dust Control Permit and NDEP’s Stormwater Pollution Prevention Plan shall be complied with at all times during the work.

335.03 Pavement Surfaces. A power sweeper and/or water truck shall be used to clean the roadway section. A power broom will not be an acceptable means of cleaning the site. Throughout all phases of construction, including suspension of work, and until final acceptance of the project, the Contractor shall keep the work site clean and free from rubbish and debris.

The Contractor shall also abate dust nuisance by cleaning, sweeping and sprinkling with water, or other means necessary. The use of water resulting in mud on public streets will not be permitted as a substitute for sweeping or other methods.

Care shall be taken to prevent spillage and tracking on haul routes. Any such spillage and tracking shall be removed immediately and the area cleaned. There shall be no additional compensation for cleanup and maintenance of the site or for cleanup of spillage and tracking on haul routes.

All debris from any affected manholes and catch basins shall be removed at the time of the disturbance.

336 INSPECTION AND TESTING

336.01 Description. The City of Sparks reserves the right to eliminate the requirement for individuals performing acceptance or field testing and sampling to be certified in accordance with the Nevada Alliance for Quality Transportation Construction (NAQTC). This determination will be made prior to issuance of Contract Documents, and will be noted accordingly.

336.02 Control of Materials. ASTM D 2922, Nuclear Gauge Method, shall be included in the approved test methods for testing soils and aggregates. ASTM D 2950, Nuclear Gauge Method, shall be included in the approved methods for testing asphalt concrete.

349 TRAFFIC CONTROL

349.01 Description. This work shall consist of furnishing all materials, equipment and labor to maintain proper traffic routing, parking control, access to all residences and businesses, and public safety for the duration of the project. All construction traffic control plans shall conform to the latest editions of either the NDOT Work Zone Traffic Control Handbook or Part VI of the MUTCD. All signs and barricades shall conform to Section 332 of the Standard Specifications, these Special Provisions, Construction Plans, Part VI of the MUTCD, and/or said Handbook, where applicable.

Flag persons shall be used during working hours to control traffic flows in accordance with the NDOT Work Zone Traffic Control Handbook and as directed by the City Project Coordinator.

Traffic control signs shall include the names of the streets involved for detour or closure.

“Road Construction Ahead” signs shall be replaced with either the Road Work Ahead sign (W20-1). No “Road Construction Ahead” signs shall be allowed on the project.

All streets shall be open for normal traffic movement during night time and weekend periods, unless previously approved by the City Engineer. The closure of any two adjacent parallel streets at the same time is prohibited. A street will be considered closed to through traffic if it is barricaded, or a closed sign is posted on any portion of the street, including intersections of crossing streets.

The storage of construction materials within the public streets and alleys during nighttime and weekend periods is prohibited.

A minimum of two (2) working days written notification shall be given to adjacent residents, businesses, Police and Fire Departments, paramedic/ambulance services, Waste Management, and the City Project Coordinator, of planned street closures and when parking restrictions are required. Where work is being performed along Citifare bus routes, the Regional Transportation Commission shall also be notified in similar fashion. Such notification shall be made separately for each work site and shall be made each time work commences at that site when operations are intermittent. This notification shall state the date work will commence and the hours and days to be worked. When construction will necessitate traffic control affecting access to any hospital, forty-eight (48) hours notification and coordination will be given in person mutually by the Contractor and the City Project Coordinator.

Contractor will be required to provide safe pedestrian access which may include but is not limited to signs, fencing, flaggers etc. Contractor will be required to provide a pedestrian safety plan to the City for review prior to the commencement of work.

The Police Department will not enforce parking restrictions indiscriminately applied. A "No Parking" notification, supplied by the contractor, shall be applied only as and when needed, and shall be removed unless absolutely necessary.

The Contractor shall submit a Project Work Schedule and a detailed Traffic Control plan to the City Project Coordinator five (5) working days prior to the pre-construction conference. Prior to the start of construction the Contractor must have a Traffic Control plan approved by the City Project Coordinator.

Any signs, barricades, or barriers which are necessary for night time hours or poor visibility shall utilize warning lights as specified in the latest editions of either the NDOT Work Zone Traffic Control Handbook or Part VI of the MUTCD.

The Contractor shall coordinate Traffic Control with the Sparks Police Department with respect to any special events that may be affected by construction activities.

The Contractor shall notify Sparks Dispatch ((775) 353-2231) 24 hours prior to any scheduled detour.

The Contractor shall be responsible for Traffic Control until such time as any street markings eradicated by the work are replaced with permanent markings. The Contractor shall be required to provide and install any temporary pavement markings as required and these shall conform to spacing and other requirements as established by the City.

The approval by the Project Coordinator of the submitted Traffic Control Plan shall in no way relieve the Contractor of his responsibility for safety requirements conforming to Section 22 of the Special Provisions. Failure to comply with any specification herein or with direction from the City Project Coordinator may result in a stoppage of work until compliance is restored.

349.04 Measurement of Quantities and Basis of Payment. Refer to Bid Item Clarifications..

Washoe County RTC – 4th Street Reconstruction Project
Geotechnical Report

Disclaimer: This report is included in the 4th Street Sewer & Storm Drain Project for informational purposes only. This report was not specific to the to the 4th Street Sewer & Storm Drain Project

GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN
REPORT

4TH STREET REHABILITATION PROJECT

September 30, 2022

Prepared for:



Regional Transportation Commission
1105 Terminal Way, Suite #108
Reno, NV 89502

ESE Project No. 21141



Prepared by:

9/30/22



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1.0 INTRODUCTION AND SCOPE

This report presents the results of Eastern Sierra Engineering's (ESE's) geotechnical investigation and pavement design for the proposed 4th Street Reconstruction project in Sparks, Nevada. ESE understands the project will include the rehabilitation and reconstruction of 4th Street from the intersection of 4th Street and Greenbrae Drive to the intersection of 4th Street and McCarran Boulevard (approximately 3,100 feet). The limits of the project are shown on Figure 1 included in Appendix A.

The following scope of services was provided:

- Located and marked six (6) test pit locations and contacted Underground Service Alert (USA) to notify them of our intent to excavate at the site;
- Excavated, logged, and sampled six (6) test pits to depths of 3.5 to 4.0 feet below the existing ground;
- Performed laboratory testing that included particle size analysis, Atterberg limits, moisture content, soils classification/description, moisture/density relationship curves and Resistance value (R-value) testing; and
- Prepared this report that summarizes field activities, subsurface soil conditions, laboratory testing, traffic data analysis, and pavement design(s) utilizing the 2021 RTC Structural Design Guide for Flexible Pavement (here-in referred to as RTC 2021). Also included are site plans with approximate test pit and coring locations, test pit logs, plasticity charts, particle size distribution charts, moisture/density relationship curves, R-value graphs and recommendations for roadway grading.

This report was prepared for the sole use of the Regional Transportation Commission of Washoe County (RTC), the only intended beneficiary of ESE's work. No other party should rely on the information contained herein without prior written consent of ESE.

2.0 FIELD INVESTIGATION AND LABORATORY TESTING

2.1 Field Investigation

ESE explored subsurface conditions by excavating six (6) test pits (TP-1 through TP-6) on January 25, 2022. Test pits were excavated to depths of 3.5 to 4.0 feet below the existing grade using a John Deere 75G excavator. The approximate locations of test pits are presented on Figure 1. During excavation activities, ESE's geologist logged the test pits and obtained representative loose bulk soil samples from the test pits.

During excavating the test pits, existing asphalt concrete (AC) pavement and aggregate base (AB)/fill thicknesses (if encountered) were measured. At the completion of logging and sampling, the test pits were backfilled and compacted with the excavated material and completed to the original grade with

hot mix asphalt concrete patch. Groundwater, if encountered, was measured prior to backfilling test pits. Summary logs of test pits TP-1 through TP-6 are presented on Figures 2 through 7.

Soil samples were classified in accordance with the Unified Soil Classification System (ASTM D2487-00) presented on Figure 8.

2.2 Laboratory Testing

Soil samples were taken to ESE’s American Association of State Highway and Transportation Officials (AASHTO) certified materials testing laboratory for further examination and selected laboratory testing. Laboratory testing included particle size analysis, Atterberg limits (plasticity), moisture content, moisture-density relationship curves and resistance value (R-value) tests. Results of laboratory testing are presented in Figures 9 through 36. Results are also summarized on Table 1 and on the logs of the test pits, Figures 2 through 7.

TABLE 1 - Laboratory Test Results

Test Pit No.	Sample Depth (ft.)	Moisture Content (%)	Percent Passing No. 200 Sieve Size (%)	Atterberg Limits (%)	R-value	Soil Type
TP-1	.67 – 1.25	9.4	11.0	LL = 27 PI = 4	--	Poorly Graded Gravel with Silt and Sand (GP-GM)
TP-1	1.25 – 1.83	13.7	38.8	LL = 35 PI = 15	--	Clayey Sand (SC)
TP-1	1.83 – 3.0	7.4	12.8	LL = 24 PI = 5	--	Silty Clayey Gravel with Sand (GC-GM)
TP-2	.42 – 1.58	8.6	11.5	LL = 27 PI = 7	--	Poorly Graded Sand with Clay and Gravel (SP-SC)
TP-2	1.58 – 3.0	8.3	16.8	LL = 37 PI = 16	20 18 Avg. = 19	Clayey Gravel with Sand (GC)
TP-3	1.5 – 3.0	14.8	62.7	LL = 42 PI = 21	12 12 Avg. = 12	Sandy Lean Clay (CL)

TABLE 1 - Laboratory Test Results (continued)

Test Pit No.	Sample Depth (ft.)	Moisture Content (%)	Percent Passing No. 200 Sieve Size	Atterberg Limits (%)	R-value	Soil Type
TP-4	.46 – 1.42	7.2	10.0	LL = 26 PI = 4	--	Poorly Graded Gravel with Silt and Sand (GP-GM)
TP-4	1.42 – 3.0	10.2	24.4	LL = -- PI = NP	34 36 Avg. = 35	Silty Sand with Gravel (SM)
TP-5	0.50 – 1.17	8.8	13.1	LL = 23 PI = 1	--	Silty Gravel with Sand (GM)
TP-5	1.17 – 3.0	4.3	5.7	LL = -- PI = NP	68 70 Avg. = 69	Poorly Graded Sand with Silt and Gravel (SP-SM)
TP-6	.42 – 2.5	3.6	2.0	LL = -- PI = NP	--	Poorly Graded Sand with Gravel (SP)

3.0 SURFACE AND SUBSURFACE CONDITIONS

3.1 Surface Conditions

The structural section measured in the test pits on 4th Street ranged from 5.0-inches to 8.0-inches of AC pavement. AB was encountered in test pits TP-2, 3, 4 and 5 ranging in thickness from 8.0” to 14” below the bottom of the AC. In TP-1 a poorly graded gravel with silt, sand and cobbles was encountered below the bottom of the AC and was 7” thick, probable fill material. In TP-6 a poorly graded sand with gravel and cobbles was encountered below the AC and extended to the bottom of the test pit at 3.5’

3.2 Subsurface Conditions

The project site is located within an area mapped by the Nevada Bureau of Mines Geology (NBMG) in the Reno Folio Geologic map (H. F. Bonham, Jr., and E. C. Bingler, 1973) as: **“Qa”, Alluvium:** Poorly sorted clayey to silty gravelly sand, poorly bedded to unbedded.

Aggregate base (AB) was encountered in test pits TP-2 through TP-5 and consisted of dense poorly graded gravel with silt, clay and sand, poorly graded sand with clay and gravel and silty gravel with sand. In TP-1 a probable fill material was encountered beneath the AC consisting of a dense poorly graded gravel with silt, sand and cobble. In TP-6 underlying the AC was a dense poorly graded sand with gravel and cobble that extended to the bottom of the test pit. The soils underlying the fill included dense to very dense clayey sand, silty clayey gravel with sand, clayey gravel with sand, cobble and boulders, silty sand with gravel, poorly graded sand with silt and gravel and very stiff to hard sandy lean clay.

No groundwater was encountered at the time of excavating activities. Groundwater elevations should be expected to seasonally fluctuate due to precipitation and snowmelt and irrigation.

The thickness of existing AC, AB/fill material encountered is summarized on Table 2 and subgrade soil classification of each test pit is summarized on Table 1. A more detailed description of subsurface soil conditions is presented on the summary of test pits Figures 2 through 7 in Appendix A.

TABLE 2 – Existing Asphalt Concrete and Fill Depth

Symbol Designation	Total AC Thickness (in.)	Fill (in.)	Total Depth AC & Fill (in.)	Travel Lane
TP-1	8.0	7.0*	15.0	SB Lane
TP-2	5.0	14.0	19.0	SB Lane
TP-3	8.0	10.0	18.0	SB Lane
TP-4	5.5	11.5	17.0	SB Lane
TP-5	6.0	8.0	14.0	NB Lane
TP-6	5.0	**	5.0	NB Lane

* Probable Fill, a gravel with clay, sand and cobble. Gravel and cobbles are rounded.

** Native sand with gravel and cobble beneath AC extending to bottom of test pit. Gravel and cobbles are rounded.

4.0 PAVEMENT EVALUATION AND DESIGN

4.1 Pavement History and Visual Observation

4th Street is typically a two-lane AC paved roadway with on-street parking on both sides of the roadway. The travel lanes are approximately 11-12 feet wide and the parking lanes are approximately 6-7 feet. The roadway has sidewalk and curb and gutter on either side of the road. 4th Street is classified as an “Arterial” roadway by the RTC.

4th Street currently exhibits alligator cracking, maintenance/utility patching and transverse and longitudinal thermal cracking. Alligator or fatigue cracking is typically caused by fatigue failure of the AC surface under repeated traffic loading. Thermal cracking is typically caused by shrinkage of the

AC surface due to the hardening of the asphalt and daily temperature cycling. The thermal cracking appears to extend through the entire thickness of existing AC.

Records provided by the RTC indicate this portion of 4th Street was originally constructed in the late 1950's and early 1960'. The roadway was overlaid in 1991, a slurry seal applied in 2005 and type 3 micro seal applied in 2011. The pavement was last inspected in April of 2020 and the Pavement Condition Index (PCI) was measured to be 60. Appendix C contains the work history and latest PCI report for this portion of 4th Street.

4.2 Rehabilitation/Reconstruction Alternatives

Based on visual observations and the age of the roadway, the pavement investigation findings validate the need for a complete reconstruction of 4th Street, as a remedy for the current conditions. The alternatives we have considered for the roadway are listed below:

- Asphalt Concrete on Aggregate Base (AC/AB);
- Asphalt Concrete on Roadbed Modified Material (AC/RBM).

The AC/AB alternative would include removing existing asphalt, base/fill material, and subgrade to a depth necessary to place AC over Type 2, Class B AB.

The AC/RBM alternative would include pulverizing existing asphalt, base/fill material, and subgrade to a depth necessary to place an equivalent section of AC on Roadbed Modified Material. Roadbed Modified Material would include a pulverized, homogenous mixture of existing asphalt, base/fill material, native soils, and cement. Once pulverized, removal of excess material, grading, compaction, blending with cement, and curing would be required prior to the placement of the AC section.

4.3 Subgrade Soils

Subgrade material characteristics were derived from ESE's geotechnical investigation, which included obtaining subgrade material samples for laboratory testing. The subgrade soil tested along the project length in general consisted of medium dense to very dense clayey sand, silty clayey gravel with sand, clayey gravel with sand, cobble and boulders, silty sand with gravel poorly graded sand with silt, gravel and cobbles and very stiff to hard sandy lean clay.

Eight laboratory R-values were performed on samples which best represented the materials encountered. All of the R-values were from subgrade soils and included R-values of 20 and 18 (TP-2), 12 and 12 (TP-3), 34 and 36 (TP-4), 68 and 70 (TP-5). It should be noted that the two R-value results per test pit met the single operator precision values provided in ASTM D2844.

Table 3 summarizes the average R-value per location test results.

TABLE 3 –R-value Test Results

Location	Sample Depth (ft)	Soil Description	Average R-value
TP-2	1.58 – 3.0	Clayey Gravel with Sand (GC)	19
TP-3	1.5 – 3.0	Sandy Lean Clay (CL)	12
TP-4	1.42 – 3.0	Silty Sand with Gravel (SM)	35
TP-5	1.17 – 3.0	Poorly Graded Sand with Silt and Gravel (SP-SM)	69

4.4 Traffic Data

Traffic information for 4th Street was provided by RTC and consisted of a 2020 Average Daily Traffic (ADT) of 2,993 and a forecast 2040 ADT of 3,345 for the northern portion of 4th Street and 2,192 and 2,473 for the southern portion of 4th Street respectively. A forecast ADT of 3,345 ADT will be used in the traffic analysis for the entire roadway section. This data was obtained from RTC’s travel demand model available at: <https://www.rtcwashoe.com/metropolitan-planning/traffic-forecasts-modeling-services/>.

Design traffic volumes were calculated by taking one-directional annual traffic, distributed to vehicle classification groups, and multiplying it by NDOT’s average 18-kip equivalent single axle load (ESAL) factors based on “Urban Other Principal Arterials” and the Urban roadway functional classification as reported in the NDOT 2009 Annual Traffic Report. 4th Street is serviced by RTC bus Route 2. Per the RTC web site, Route 2 has 21 trips per day per direction 7 days a week. Using this information, we have calculated an average of 21 trips per day per direction for a total of 42 trips per day in both directions. The bus trips were added to the NDOT traffic distribution percentages and a bus ESAL factor of 2.7 was provided by RTC staff. We assumed a minimum growth factor of 0.5% based on the RTC traffic model output. Detailed ESAL calculations are presented in Table 4.

TABLE 4 - 18-KIP Equivalent Single Axle Load (ESAL) Calculation

Location: 4th Street - Greenbrae to McCarran **Analysis Period** 22

3345 ADT (2020) **Growth Rate** 0.5%
Growth Factor 23.65

Vehicle Types	Vehicle Dist *	Current Traffic (A)	Growth Factor (B)	=(A)*(B)*365		ESAL Factor (E) *	Design ESAL (F)
				Design Traffic (C)	Directional Distribution (D)		
Passenger Cars	94.25%	3153	23.65	27,214,571	0.5		0.0
Buses (ESAL provided by RTC)	1.25%	42	23.65	360,936	0.5	2.700	487,263.5
2-axle / 6 tire Trucks	2.25%	75	23.65	649,685	0.5	0.239	77,637.3
3 or more Axle Trucks	0.30%	10	23.65	86,625	0.5	0.938	40,627.0
All Single Unit Trucks							
4 Axle Tractor Semi-Trailers	0.54%	18	23.65	155,924	0.5	0.680	53,014.3
5 Axle Tractor Semi-Trailers	1.01%	34	23.65	291,636	0.5	1.285	187,376.3
6+ Axle Tractor Semi-Trailers	0.05%	2	23.65	14,437	0.5	1.265	9,131.7
5 Axle Double Trailers	0.16%	5	23.65	46,200	0.5	2.099	48,486.7
6 Axle Double Trailers	0.05%	2	23.65	14,437	0.5	0.593	4,280.7
7+ Axle Double Trailers	0.14%	5	23.65	40,425	0.5	1.852	74,866.8
All Vehicles	100.00%	3345		28,874,876		<i>Design ESAL</i>	<u>982,684</u>

* - From NDOT Urban Vehicle Distribution and Average ESAL's (Minor Arterials)

4.5 Pavement Design Parameters

ESE used the AASHTO Design Guide and the 2021 RTC Structural Design Guide for Flexible Pavement for the design of flexible pavement thickness(s). The following sections discuss the methodology and approach to the input values for the design.

Since the RTC classifies the roadway as an “Arterial” roadway classification, Table 7 lists the input parameters utilized for the design of the flexible pavement section. Based on the Arterial roadway classification, a reliability factor of 90% was chosen. Values for initial and terminal values of serviceability were not considered, rather a total serviceability loss, ΔPSI, of 1.7 was chosen. An overall standard deviation, S_o, was taken as 0.45. The layer coefficients for the AC (a₁~0.35), Roadbed Modified material (a₂~0.18), Type 2, Class B, Aggregate Base (a₂~0.12) and drainage coefficient for the Aggregate Base layer (m₁~1.0) were used.

The Resilient Modulus (M_R) for the subgrade was calculated using relationships developed in the RTC 2021 Structural Design Guide for Flexible Pavement:

$$M_R (\text{psi}) = e^{(3.1784+0.018*R\text{-value}+0.0136*P40+0.0315*\text{max density}+0.0433*PI)} \text{ (for R-values } >20)$$

$$M_R (\text{psi}) = 145*10^{(0.0147*R\text{-value}+1.23)} \text{ (for R-values } \leq 20)$$

- Where: R-value = the resistance value in accordance with ASTM D2844 (psi)
 P40 = percent passing the No. 40 Sieve in accordance with ASTM C136 (%)
 Max Density = Maximum Dry Density in accordance with ASTM D1557 (pcf)
 PI = Plasticity Index in accordance with ASTM D4318

The subgrade design R-values, associated M_R values and required material property design values used in the pavement design evaluation are shown in Table 6. These values represent the 50th percentile value of each of the design factors respectively.

TABLE 6 – Subgrade Material Properties used in Design

Design R-Value (psi)	Design P40 (%)	Design Max Density (pcf)	Design PI	RTC 2021 M_R (psi)	RTC 2021 M_R effective (psi) *
27	41	132.1	8	7,794	7,482

*- the effective M_R was calculated utilizing the seasonal parameters and relationships outlined in the 2021 RTC Structural Design Guide for Flexible Pavement.

TABLE 7 – Flexible Pavement Design Parameters

Parameter	RTC 2021
Traffic (ESALs), W_{18}	982,684
Reliability, R (%)	90%
Standard Deviation, S_o	0.45
Subgrade R-value –	27
Subgrade Resilient Modulus, M_r (psi)	7,482
Serviceability Loss (ΔPSI)	1.7
Layer Coefficient for Plantmix Bituminous Surface (AC), a_1	0.35
Layer Coefficient for Aggregate Base (AB) – Type 2, Class B, a_2	0.12
Layer Coefficient for Roadbed Modified Material (RBM), a_2	0.18
Drainage Coefficient for AB layer, m_2	1.0

4.6 Pavement Design Results

The pavement design parameters discussed in Section 4.5 were input into the AASHTO flexible pavement design equation shown below:

$$\log(W_{18}) = Z_R \times S_0 + 9.36 \times \log_{10}(SN + 1) - 0.20 + \left[\frac{\log_{10}\left(\frac{\Delta PSI}{(4.2 - 1.5)}\right)}{0.40 + \frac{1094}{(SN + 1)^{5.19}}} \right] + 2.32 \times \log_{10}(M_R) - 8.07$$

Where,

SN, the design structural number for an initial pavement structure, is determined to identify a set of pavement layer thicknesses which, when combined, will provide the load-carrying capacity corresponding to the design SN. The following AASHTO equation provides the basis used for converting SN into actual thicknesses of surface and base layers:

$$SN = a_1 D_1 + a_2 D_2 m_2$$

Table 8 summarizes the calculated required SN for the roadway utilizing the 2021 RTC design procedures. The 2021 RTC minimum required structural section is 6" AC on 12" AB for an arterial roadway; the minimum SN can be calculated to be 3.54.

TABLE 8 – Design Selection Alternatives

RTC Pavement Design Guide Version	4 th Street Reconstruction	
2021	Calculated Required SN	3.47
	Minimum Required SN	3.54
	Structural Layer Thickness	6" AC on 12" AB *
		6" AC on 8" RBM *

*- RTC minimum required section

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 General

Test pits 2 through 5 encountered an AB that is poorly graded gravel with clay and sand, poorly graded gravel with silt and poorly graded sand with clay and gravel 14-inches to 18.0-inches below top of AC. In TP-1 underlying the AC was probable fill consisting of a poorly graded gravel with silt, sand and cobbles extending to 15" below top of AC. The gravel and cobbles were rounded. In TP-6 underlying

the AC was a poorly graded sand with gravel and cobbles that extended to the bottom of the test pit. was a silty sand fill material that extended to the bottom of the test pit. Subgrade underlying the fill consisted in general of medium dense to very dense clayey sand, silty clayey gravel with sand, clayey gravel with sand, cobble and boulders, silty sand with gravel, poorly graded sand with silt and gravel and very stiff to hard sandy lean clay. See Figures 9 through 22 in Appendix B for detailed soil descriptions.

5.2 Construction Concerns

The contractor should anticipate encountering some large gravel and cobble size material during earthwork grading activities including pulverizing the roadway.

The subgrade soils encountered beneath the AB included silty, clayey sand with varying percentages of particles passing the #200 sieve. If these soils become wet and are exposed to heavy construction traffic may become soft and unstable during the construction of the pavement section. See Section 5.4 “Unstable Subgrade” for the mitigation of soft, wet, unstable soils.

Contractor should pothole existing utilities to verify **both** depth and that adequate clearance can be maintained along the roadway alignment if pulverizing operations are to be used.

Existing AC depth along the roadway alignment ranges from 5.0-inches to 8.0-inches. If the roadway is constructed using the RBM pavement section alternative, initial pulverization operations must be completed in such a way that 14-16” of existing AC and fill are pulverized and mixed to the depth required by the pavement design. The RBM pavement section alternative has been designed based on a homogenous mixture of existing asphalt and fill material. The Contractor should anticipate varying pulverization depths during construction.

5.3 Site Grading and Excavation

Based on the subsurface investigation and laboratory results some of the subgrade soils encountered beneath the granular fill material were classified as a silty, clayey sand that had a moderate number of fines passing the #200 sieve that had plasticity. These soils can be moisture sensitive and subject to pumping potentially requiring removal and replacement (see Unstable Subgrade below). See Section 5.4 “Unstable Subgrade” for the mitigation of soft, wet, unstable soils.

Structural fill (if required) and aggregate base shall be placed in 8-to-12 inch maximum (loose thickness) lifts, moisture conditioned to near optimum moisture content and compacted to at least 90 and 95 percent relative compaction (ASTM D1557), respectively.

5.4 Unstable Subgrade

If areas of soft, wet, unstable soils are encountered during construction, they may require the Contractor to overexcavate and replace the soft, wet, unstable soils with Engineered approved aggregate and/or potentially combine the aggregate with Mirafi 600X woven geofabric (or acceptable equivalent) to create a working platform. Over-excavation limits shall extend laterally the distance of one-half the thickness of engineered select fill placed beneath structural improvements.

NOTE: A test area is recommended to determine the most suitable method of creating a working platform. Relatively light, nonvibratory compaction equipment shall be used during this operation to minimize further softening and pumping of the exposed subgrade.

5.5 Structural Fill Criteria

Import soils used as engineered select fill shall be non-expansive, reasonably well-graded soil and be free of organics, other perishable material and construction debris. In addition, they shall meet the criteria presented in Table 8:

Table 8 – Structural Fill Criteria

Sieve Size	Percent Passing (by dry weight)
4"	100
¾"	70 – 100
No. 40	15 - 65
No. 200	5 – 20
Liquid Limit	35 Maximum
Plasticity Index	12 Maximum
R-value	30

5.6 Recommended Pavement Section

Based on existing depth of AC and AB/fill encountered within the project limits and the R-values of the subgrade soils, ESE recommends the minimum structural section required by the 2021 RTC design guide for an Arterial Roadway utilizing the AC/RBM construction alternative.

Recommended Pavement Section

6" AC on 8" RBM – This will allow for the pulverization of 14-15" of existing AC and AB/fill, removal of 6" of pulverized material, treatment of the remaining 8-9" of pulverized material with 3% cement and placement of 6" of AC.

6.0 ADDITIONAL SOILS ENGINEERING SERVICES

It is important that prior to and during construction, the following operations be performed under ESE's observation:

1. Site preparation and grading and excavation;
2. Suitability of onsite and imported fill materials;
3. Subgrade preparation for structural fill, if required, and AB;

4. All structural fill and AB placement and compaction; and
5. Verify depth of pulverization and required thickness of RBM prior to additional of cement.

Observation of these operations will allow ESE to check that soil conditions are consistent with this geotechnical investigation and to evaluate variations in soil conditions that may require special consideration or modification to these recommendations.

7.0 LIMITATIONS

Recommendations contained in this report are based on our field explorations, laboratory tests, and our understanding of the proposed construction. The study was performed using a mutually agreed upon scope of work. It is our opinion this study was a cost-effective method to evaluate some of the potential geotechnical concerns.

The soils data used in the preparation of this report were obtained from test pits located for this investigation. It is possible that variations in soils exist between the points explored. The nature and extent of soil variations may not be evident until construction occurs. If any soil conditions are encountered at this site, which are different from those described in this report, our firm should be immediately notified so that we may make any necessary revisions to our recommendations.

This report has been prepared solely for design purposes specific to the site in accordance with the generally accepted standards of practice at the time the report was written.

This report may be used only by the RTC and only for the purposes stated within a reasonable time from its issuance, but in no event later than three years from the date of the report. Land or facility use, on and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time.

It is the RTC's responsibility to see that all parties to the project including Contractor, Subcontractors, etc., are made aware of this report in its entirety.

The use of information contained in this report for bidding purposes should be done at the Contractor's option and risk.

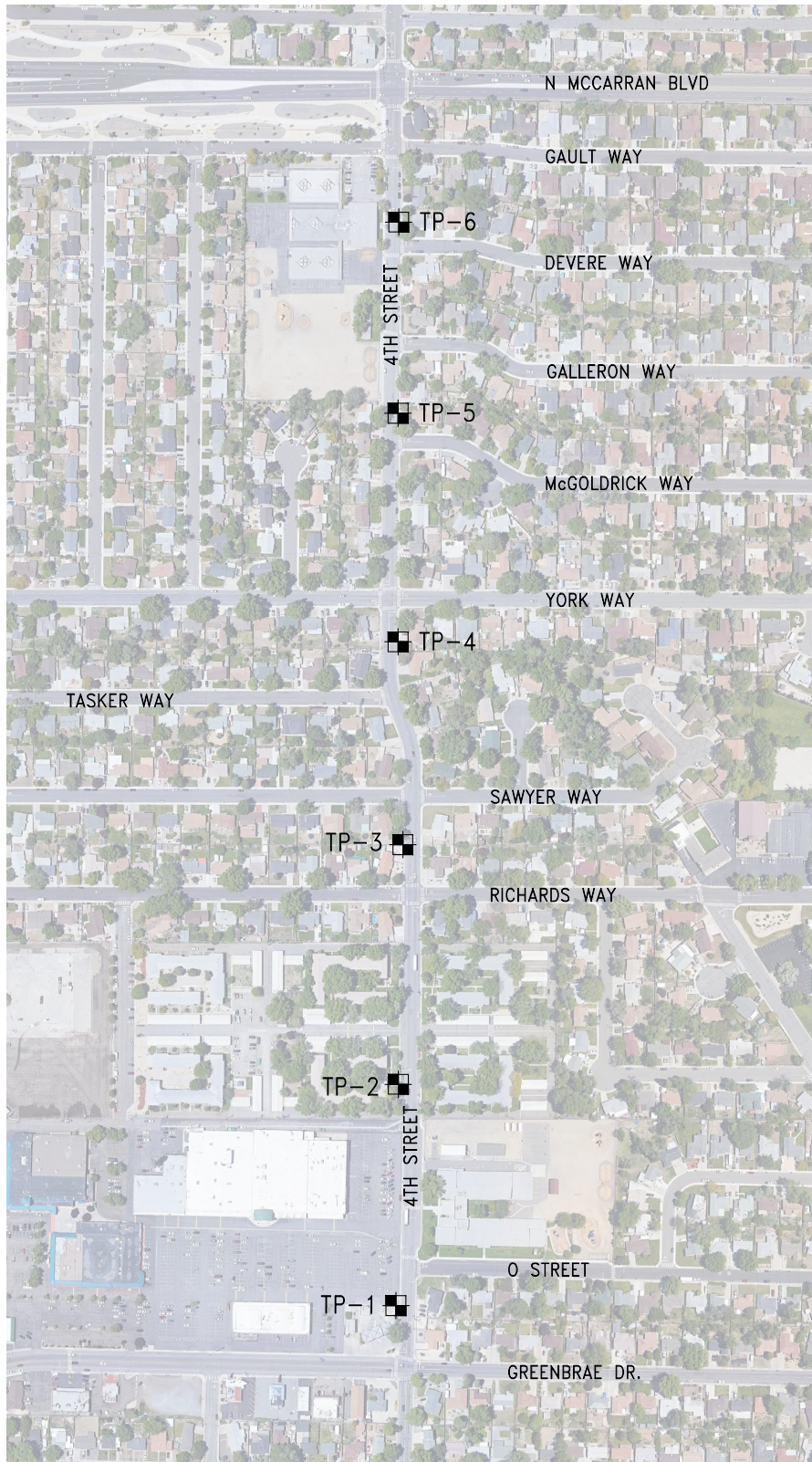
The findings, recommendations and professional opinions presented in this report were prepared in accordance with generally accepted professional engineering practice at this time in the State of Nevada. This report does not constitute a warranty, either expressed or implied.

8.0 REFERENCES

- H. F. Bonham, Jr. and E.C. Bingler, Reno Folio Geologic Map, Nevada Bureau of Mines and Geology, 1973.

- Structural Design Guide for Flexible Pavement. Regional Transportation Commission of Washoe County, February 2021
- Standard Specifications for Public Works Construction. RTC of Washoe County, Washoe County, City of Sparks, City of Reno, Carson City, and City of Yerington, Revision No. 7, May 14, 2018.
- AASHTO Guide for Design of Pavement Structures. American Association of State Highways and Transportation Officials, Washington D.C., 1993.
- 2009 Annual Traffic Report, Traffic Information Division, Nevada Department of Transportation, http://www.nevadadot.com/reports_pubs/traffic_report/2009/.

APPENDIX A - FIGURES



■ APPROX TEST PIT LOCATION



TEST PIT LOCATIONS
4TH STREET REHABILITATION
SPARKS, NV

FIGURE
1

DRAWN
JSC

JOB NUMBER
21141

APPROVED
SWJ

DATE
2-9-22

REVISED

DATE

TEST PIT LOG

TEST PIT NO: TP-1
 EQUIPMENT: JOHN DEERE 75G EXCAVATOR
 LOGGED BY: M. PHELPS

DATE: 1/25/2022
 DEPTH TO GROUND WATER (ft): N/A
 GROUND ELEVATION (ft): N/A

LIQUID LIMIT (%)	PLASTICITY INDEX	MOISTURE (%)	% PASSING #200 SIEVE	R-VALUE	BLOWS/FT.	SAMPLE	DEPTH (FT)	USCS SYMBOL	LITHOLOGY
							0	AC	AC = 8.0"
27	4	9.4	11.0		X	X	1	GP-GM	BROWN POORLY GRADED GRAVEL WITH SILT, SAND AND COBBLE (GP-GM); dense, moist, cobble dia. ≤ 6", (Fill)
35	15	13.7	38.8		X	X	2	SC	GREY CLAYEY SAND (SC); medium dense to dense, moist to wet
24	5	7.4	12.8		X	X	3	GC-GM	BROWN SILTY CLAYEY GRAVEL WITH SAND (GC - GM); very dense, moist to wet
							4		Test Pit terminated at 3.5'. No groundwater was encountered at time of excavation.
							6		
							8		
							10		
							12		



TEST PIT LOG: TP-1
 4TH STREET
 SPARKS, NEVADA

FIGURE
2

TEST PIT LOG

TEST PIT NO: TP-2	DATE: 1/25/2022
EQUIPMENT: JOHN DEERE 75G EXCAVATOR	DEPTH TO GROUND WATER (ft): N/A
LOGGED BY: M. PHELPS	GROUND ELEVATION (ft): N/A

LIQUID LIMIT (%)	PLASTICITY INDEX	MOISTURE (%)	% PASSING #200 SIEVE	R-VALUE	BLOWS/FT.	SAMPLE	DEPTH (FT)	USCS SYMBOL	LITHOLOGY
							0	AC	AC = 5.0"
27	7	8.6	11.5			X	1	SP-SC	BROWN POORLY GRADED SAND WITH CLAY AND GRAVEL (SP-SC); dense, moist to wet, gravel dia. ≤ 1.5", (FILL)
37	16	8.3	16.8	20 18		X	2	GC	GREY CLAYEY GRAVEL WITH SAND, COBBLE AND BOULDER (GC); very dense, wet, boulder dia. ≤ 14"
							4		Test Pit terminated at 3.5'. No groundwater was encountered at time of excavation.
							6		
							8		
							10		
							12		



TEST PIT LOG: TP-2
4TH STREET
SPARKS, NEVADA

FIGURE
3

DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 1/28/2022	REVISED	DATE
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TEST PIT LOG

TEST PIT NO: TP-3	DATE: 1/25/2022
EQUIPMENT: JOHN DEERE 75G EXCAVATOR	DEPTH TO GROUND WATER (ft): N/A
LOGGED BY: M. PHELPS	GROUND ELEVATION (ft): N/A

LIQUID LIMIT (%)	PLASTICITY INDEX	MOISTURE (%)	% PASSING #200 SIEVE	R-VALUE	BLOWS/FT.	SAMPLE	DEPTH (FT)	USCS SYMBOL	LITHOLOGY
42	21	14.8	62.7	12 12	2	X	AC	AC = 8.0"	
					2	X	GP-GC	BROWN POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC); dense, moist, gravel dia. ≤ 1.5". (FILL)	
					4	X	CL	BROWN SANDY LEAN CLAY (CL); very stiff to hard, moist to wet	
					4			Test Pit terminated at 4.0'. No groundwater was encountered at time of excavation.	
					6				
					8				
					10				
					12				



TEST PIT LOG: TP-3
4TH STREET
SPARKS, NEVADA

FIGURE
4

DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 1/28/2022	REVISED	DATE
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TEST PIT LOG

TEST PIT NO: TP-4	DATE: 1/25/2022
EQUIPMENT: JOHN DEERE 75G EXCAVATOR	DEPTH TO GROUND WATER (ft): N/A
LOGGED BY: M. PHELPS	GROUND ELEVATION (ft): N/A

LIQUID LIMIT (%)	PLASTICITY INDEX	MOISTURE (%)	% PASSING #200 SIEVE	R-VALUE	BLOWS/FT.	SAMPLE	DEPTH (FT)	USCS SYMBOL	LITHOLOGY
26	4	7.2	10.0				0	AC	AC = 5.5"
							1	GP-GM	BROWN POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM); dense, moist to wet, gravel dia. ≤ 1.5", (FILL)
-	NP	10.2	24.4	34 36			2	SM	GREY-BROWN SILTY SAND WITH GRAVEL (SM); dense, moist to wet
							4		Test Pit terminated at 4.0'. No groundwater was encountered at time of excavation.
							6		
							8		
							10		
							12		



TEST PIT LOG: TP-4
4TH STREET
SPARKS, NEVADA

FIGURE
5

DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 1/28/2022	REVISED	DATE
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TEST PIT LOG

TEST PIT NO: TP-5	DATE: 1/25/2022
EQUIPMENT: JOHN DEERE 75G EXCAVATOR	DEPTH TO GROUND WATER (ft): N/A
LOGGED BY: M. PHELPS	GROUND ELEVATION (ft): N/A

LIQUID LIMIT (%)	PLASTICITY INDEX	MOISTURE (%)	% PASSING #200 SIEVE	R-VALUE	BLOWS/FT.	SAMPLE	DEPTH (FT)	USCS SYMBOL	LITHOLOGY
								AC	AC = 6.0"
23	1	8.8	13.1					GM	BROWN SILTY GRAVEL WITH SAND (GM); dense, moist to wet, gravel dia. ≤ 1.5", (FILL)
-	NP	4.3	5.7	68 70			2	SP-SM	BROWN POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM); dense, moist to wet
							4		Test Pit terminated at 3.5'. No groundwater was encountered at time of excavation.
							6		
							8		
							10		
							12		



TEST PIT LOG: TP-5
4TH STREET
SPARKS, NEVADA

FIGURE
6

DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 1/28/2022	REVISED	DATE
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TEST PIT LOG

TEST PIT NO: TP-6	DATE: 1/25/2022
EQUIPMENT: JOHN DEERE 75G EXCAVATOR	DEPTH TO GROUND WATER (ft): N/A
LOGGED BY: M. PHELPS	GROUND ELEVATION (ft): N/A

LIQUID LIMIT (%)	PLASTICITY INDEX	MOISTURE (%)	% PASSING #200 SIEVE	R-VALUE	BLOWS/FT.	SAMPLE	DEPTH (FT)	USCS SYMBOL	LITHOLOGY
--	NP	3.6	2.0		X	X	0	AC	AC = 5.0"
					X	X	2	SP	BROWN POORLY GRADED SAND WITH GRAVEL AND COBBLE (SP); dense, moist, cobble dia. ≤ 10"
					X	X	4		Test Pit terminated at 4.0'. No groundwater was encountered at time of excavation.
					X	X	6		
					X	X	8		
					X	X	10		
					X	X	12		



TEST PIT LOG: TP-6
4TH STREET
SPARKS, NEVADA

FIGURE
7

DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 1/28/2022	REVISED	DATE
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APPENDIX B – LABORATORY RESULTS

UNIFIED SOIL CLASSIFICATION—ASTM D2487—00

MAJOR DIVISIONS			TYPICAL NAMES		
COARSE-GRAINED SOILS MORE THAN HALF IS COARSER THAN No. 200 SIEVE	GRAVELS	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
		GRAVELS WITH OVER 12% FINES	GP		POORLY GRADED GRAVEL WITH OR WITHOUT SAND, LITTLE OR NO FINES
			GM		SILTY GRAVELS, SILTY GRAVELS WITH SAND
		GC		CLAYEY GRAVELS, CLAYEY GRAVELS WITH SAND	
	SANDS	CLEAN SANDS WITH LITTLE OR NO FINES	SW		WELL GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
		SANDS WITH OVER 12% FINES	SP		POORLY GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
			SM		SILTY SANDS WITH OR WITHOUT GRAVEL
			SC		CLAYEY SANDS WITH OR WITHOUT GRAVEL
FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN No. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS		ML		INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTS WITH SANDS AND GRAVELS
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%		CL		INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, CLAYS WITH SANDS AND GRAVELS, LEAN CLAYS
			OL		ORGANIC SILTS OR CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%		MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS, FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH		ORGANIC SILTS OR CLAYS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS		Pt		PEAT AND OTHER HIGHLY ORGANIC SOILS	

M(80)	-	Moisture Content (%)	
DD(105)	-	Dry Density (pcf)	
Perm	-	Permeability	
Consol	-	Consolidation	
LL	-	Liquid Limit (%)	
PI	-	Plasticity Index (%)	
G _s	-	Specific Gravity	
MA	-	Particle Size Analysis	
OC	-	Organic Content	
R-Value	-	Resistance Value	
CBR	-	California Bearing Ratio	
■	-	"Undisturbed" Sample	
☒	-	Bulk or Classification Sample	
			TxUU 3200 (2600) - Unconsolidated Undrained Triaxial Shear (FM) or (S) - (field moisture or saturated)
			TxCU 3200 (2600) - Consolidated Undrained Triaxial Shear (P) - (with or without pore pressure measurement)
			TxCD 3200 (2600) - Consolidated Drained Triaxial Shear
			SSCU 3200 (2600) - Simple Shear Consolidated Undrained (P) - (with or without pore pressure measurement)
			SSCD 3200 (2600) - Simple Shear Consolidated Drained
			DSCD 2700 (2000) - Consolidated Drained Direct Shear
			UC 470 - Unconfined Compression
			LVS 700 - Laboratory Vane Shear
			DSUU - Unconsolidated Undrained Direct Shear



SOIL CLASSIFICATION CHART
4TH STREET
SPARKS, NEVADA

FIGURE

8

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MPP

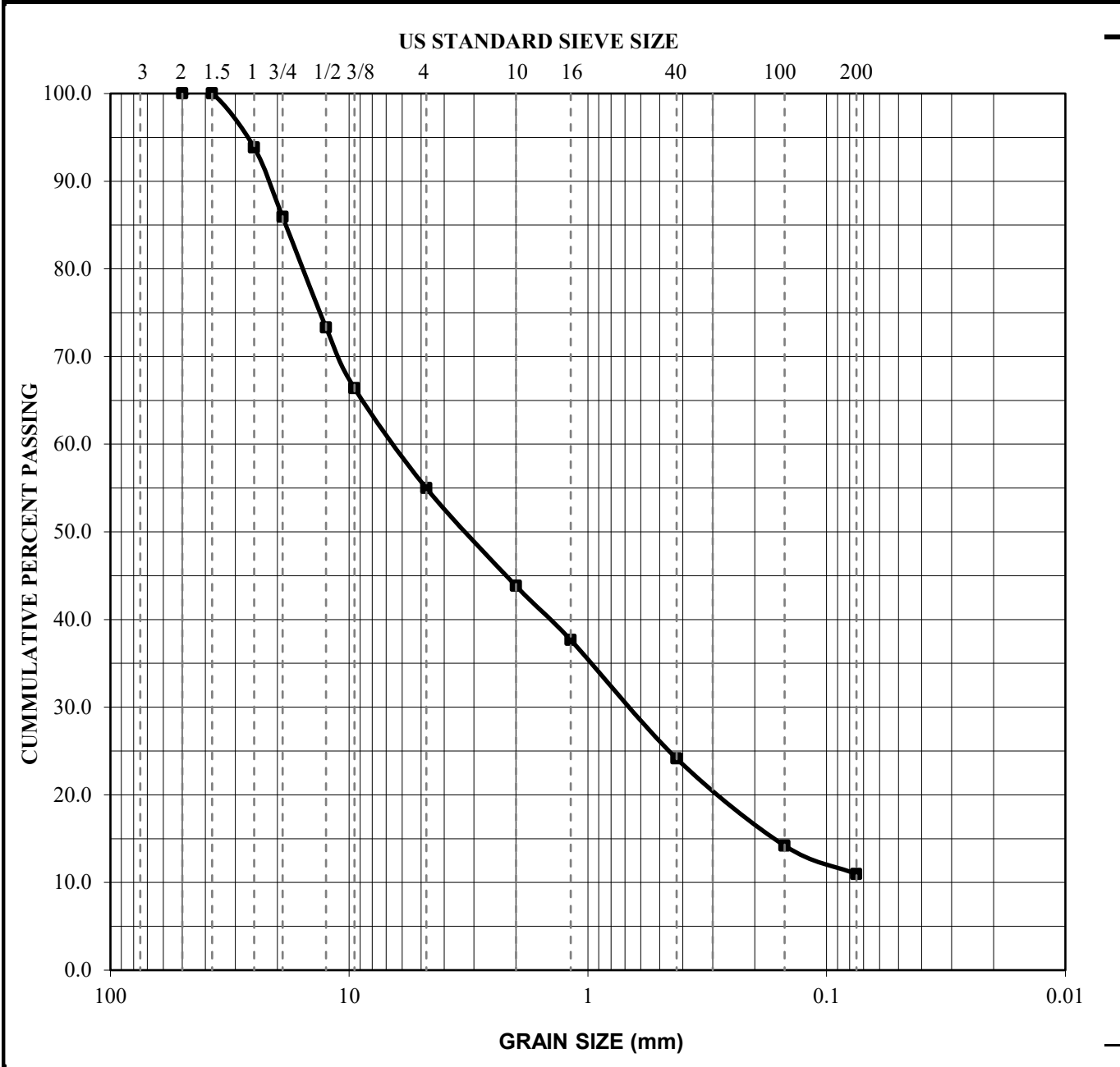
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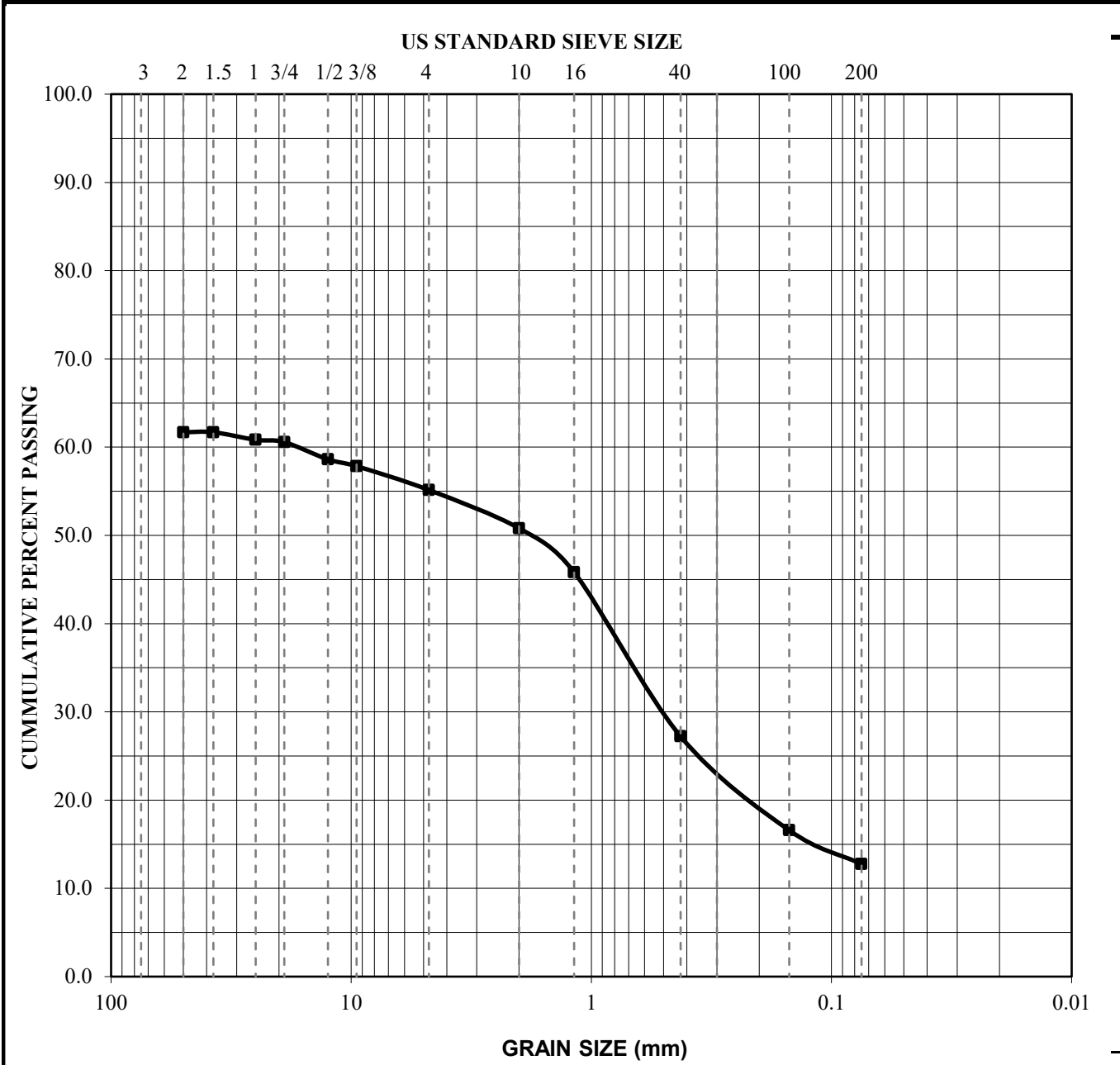
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-1@ 0.67' - 1.25'	POORLY GRADED GRAVEL W/ SILT & SAND (GP-GM)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE 9	
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022	REVISED




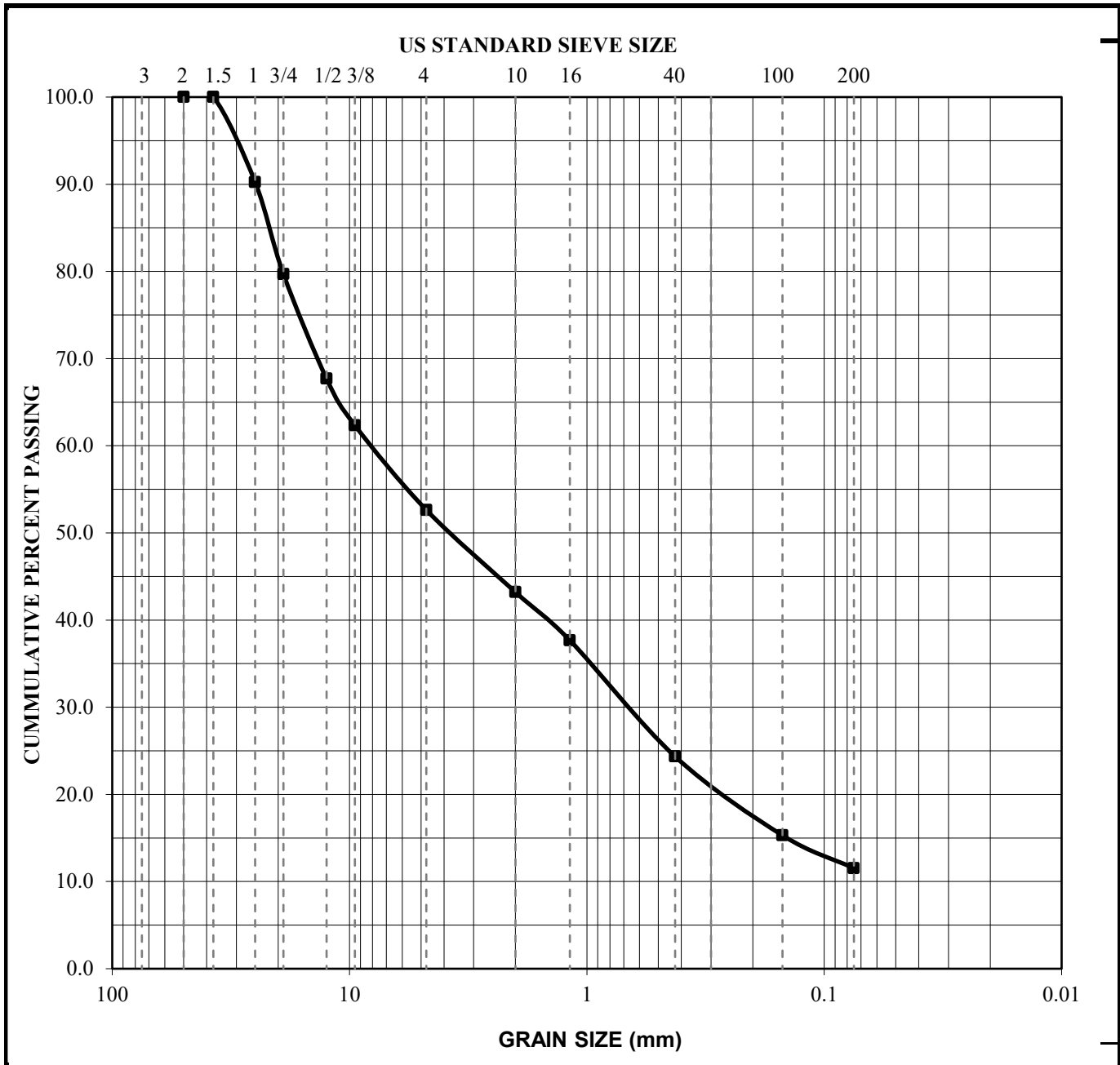
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-1 @ 1.25' - 1.83'	CLAYEY SAND (SC)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE <h1>10</h1>	
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022	REVISED



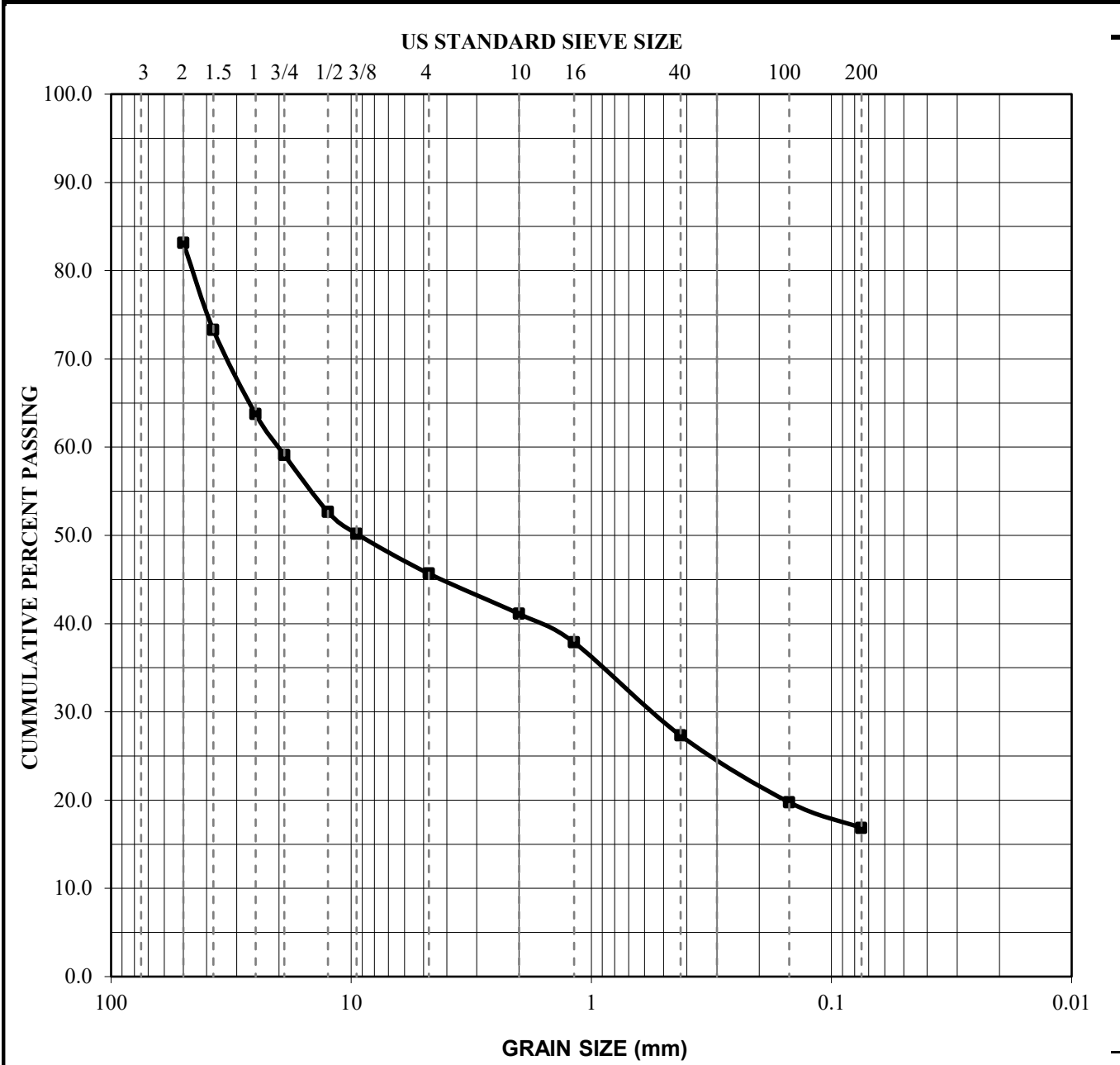
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-1 @ 1.83' - 3.0'	SILTY CLAYEY GRAVEL W/ SAND (GC-GM)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE 11
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022




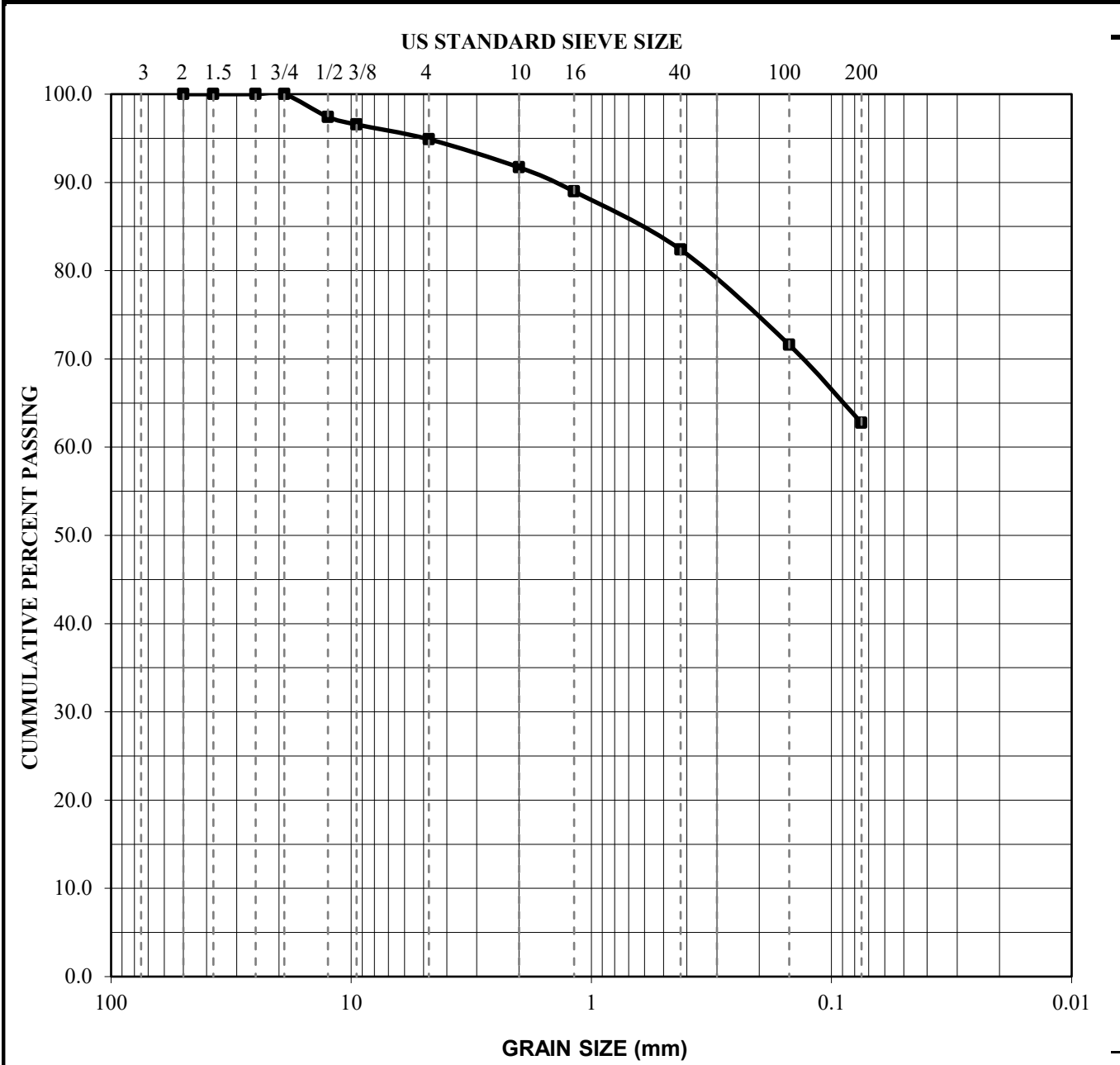
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-2 @ .42' - 1.58'	POORLY GRADED SAND W/ CLAY & GRAVEL (SP-SC)	

EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA	FIGURE 12
	DRAWN: MPP JOB NUMBER: 21141 APPROVED: SWJ DATE: 2/1/2022 REVISED: DATE:	




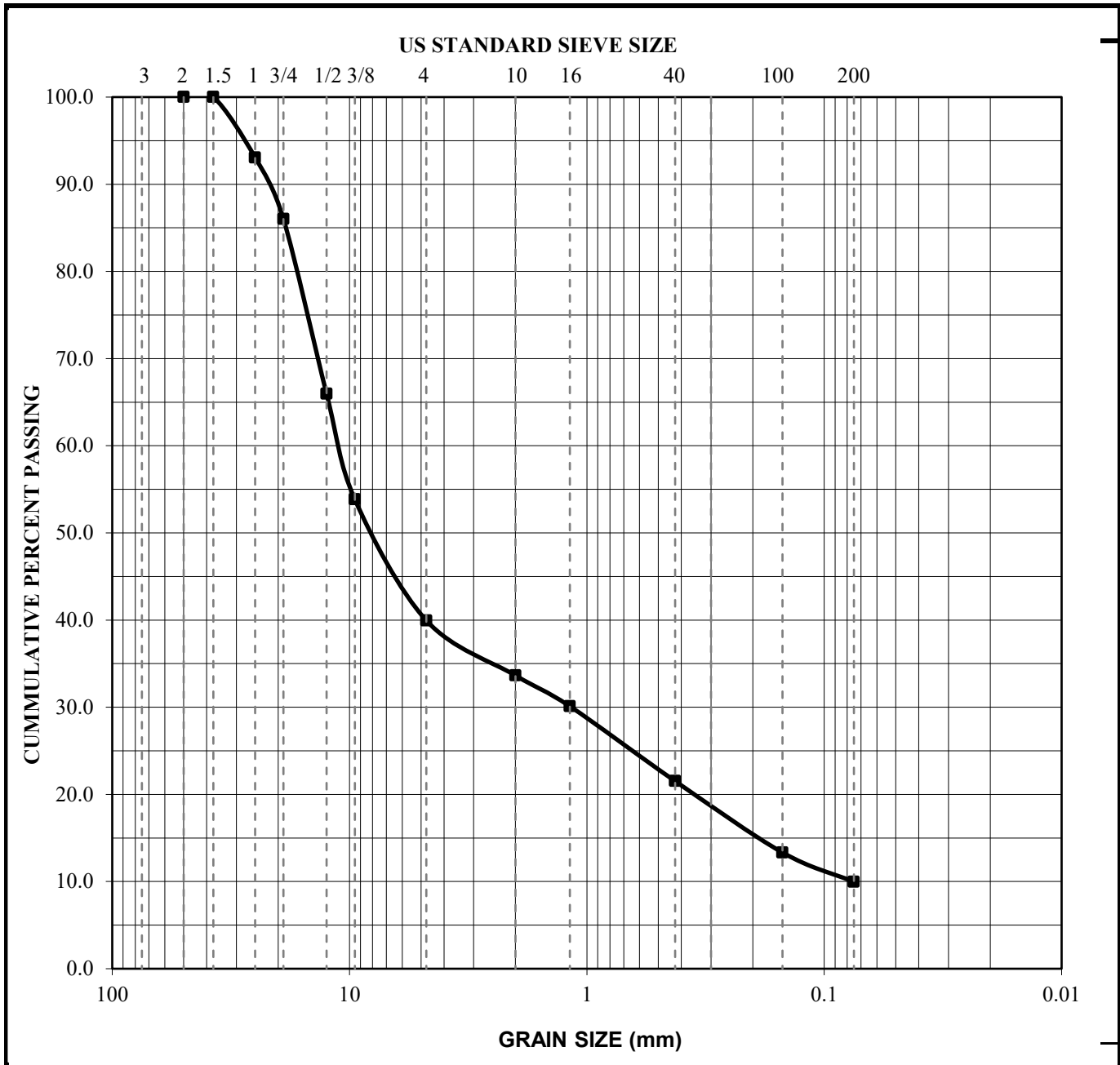
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-2 @ 1.58' - 3.0'	CLAYEY GRAVEL W/ SAND (GC)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE 13	
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022	REVISED



COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-3 @ 1.5' - 3.0'	SANDY LEAN CLAY (CL)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE <h1>14</h1>	
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022	REVISED



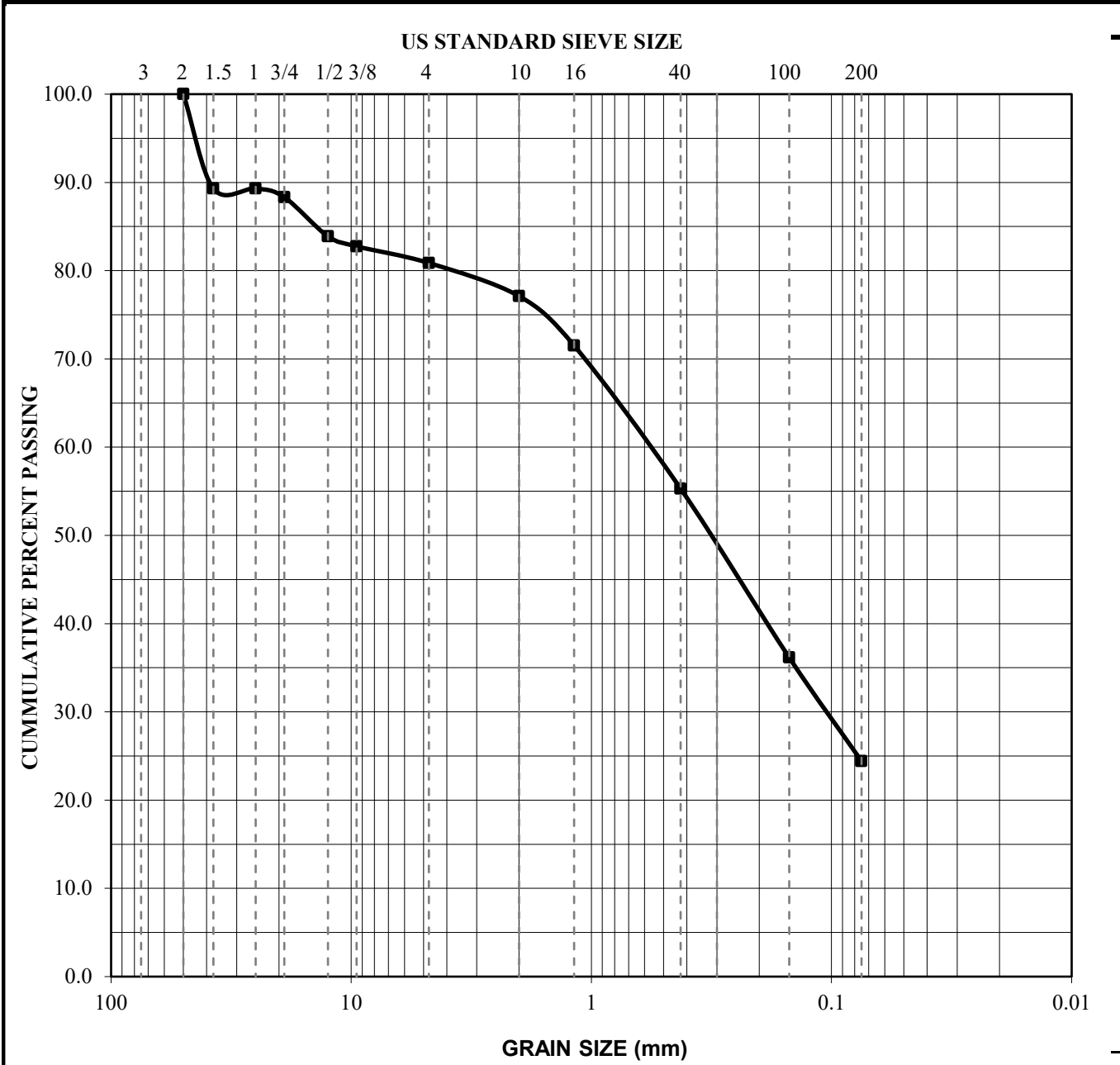
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-4 @ .46' - 1.42'	POORLY GRADED GRAVEL W/ SILT & SAND (GP-GM)	




PARTICLE SIZE ANALYSIS
 4TH STREET
 SPARKS, NEVADA

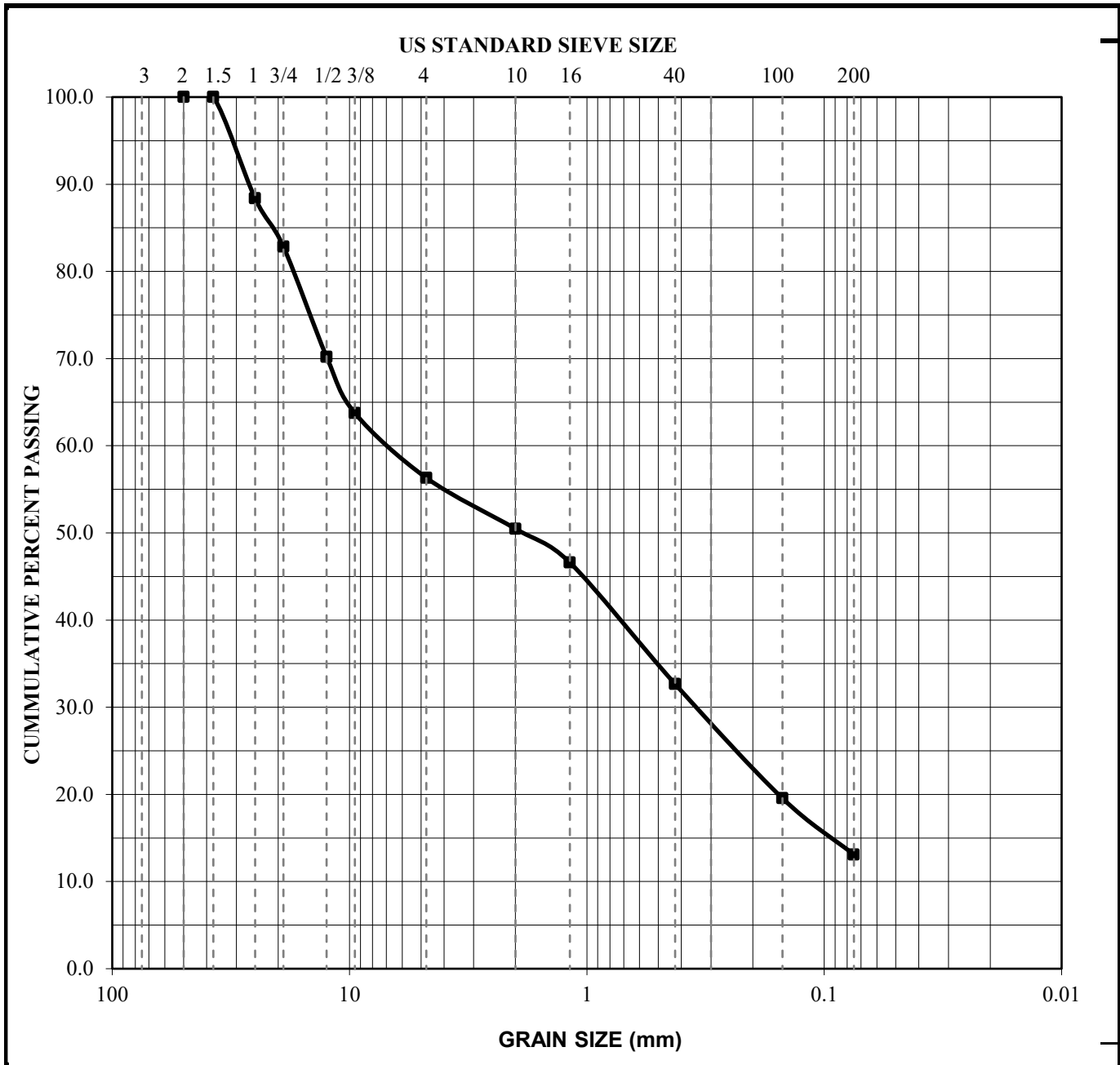
FIGURE
15

DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022	REVISED	DATE
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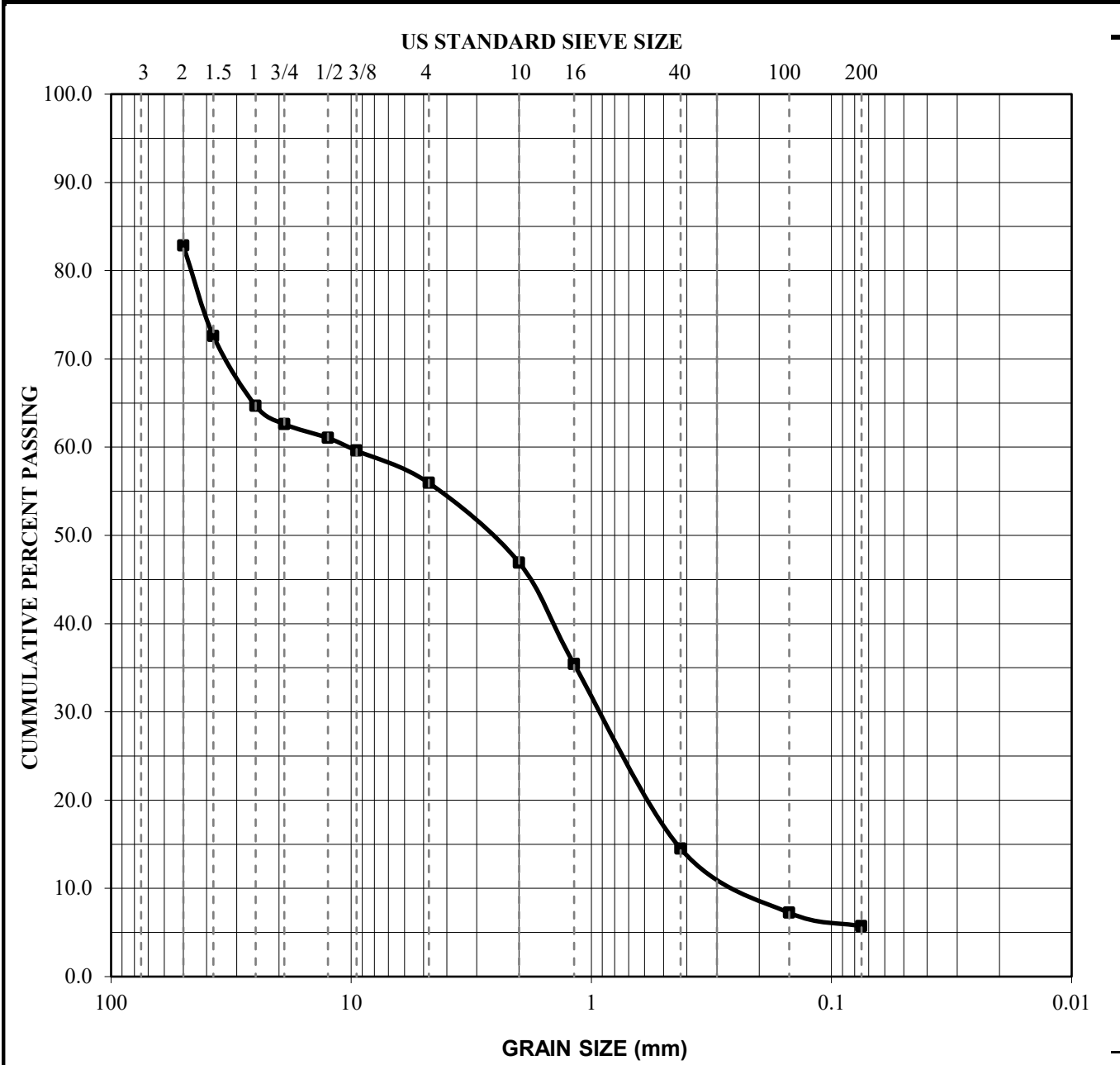
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-4 @ 1.42' - 3.0'	SILTY SAND W/ GRAVEL (SM)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE 16
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022




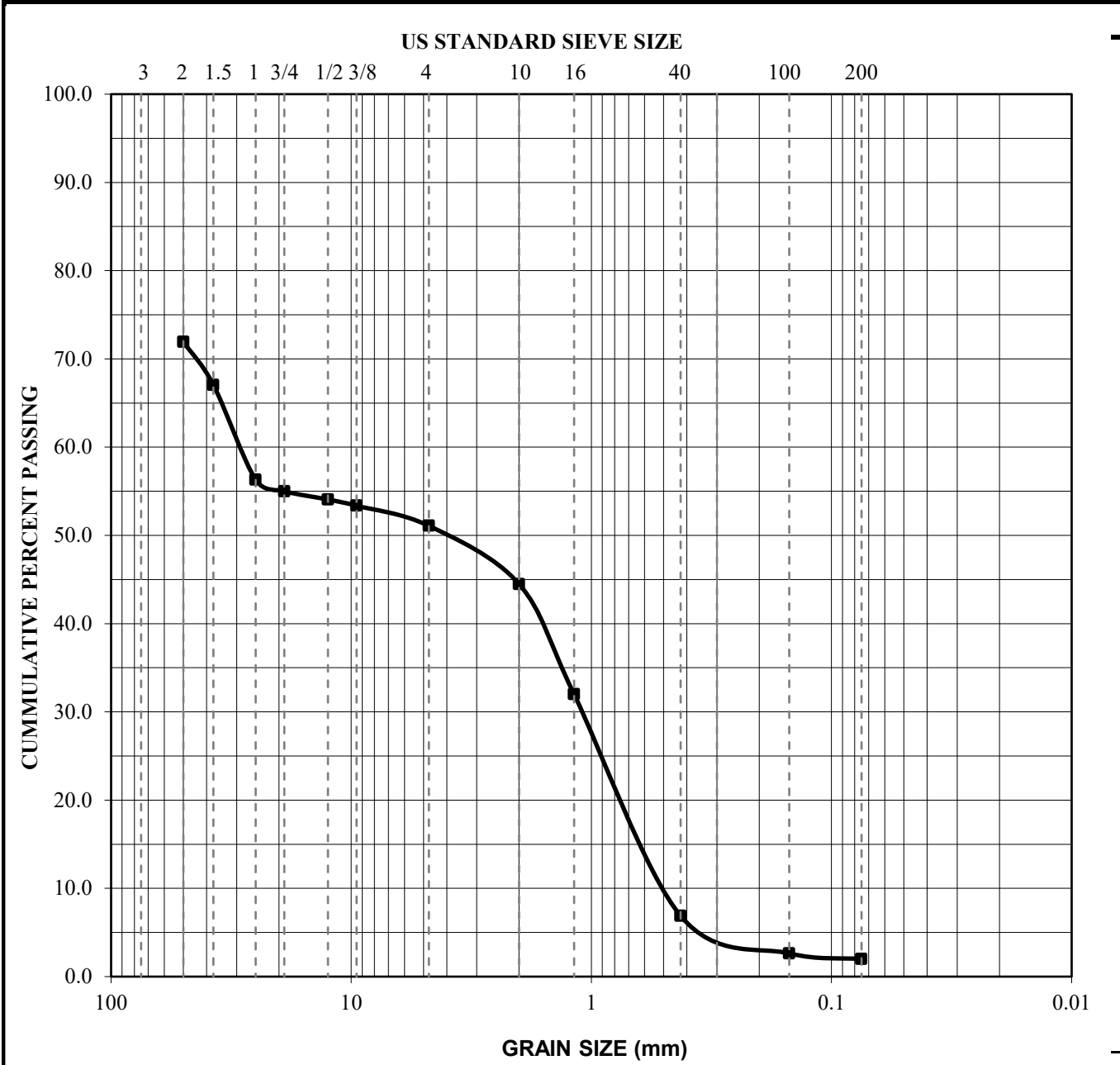
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-5 @ .5' - 1.17'	SILTY GRAVEL W/ SAND (GM)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA		FIGURE 17	
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022




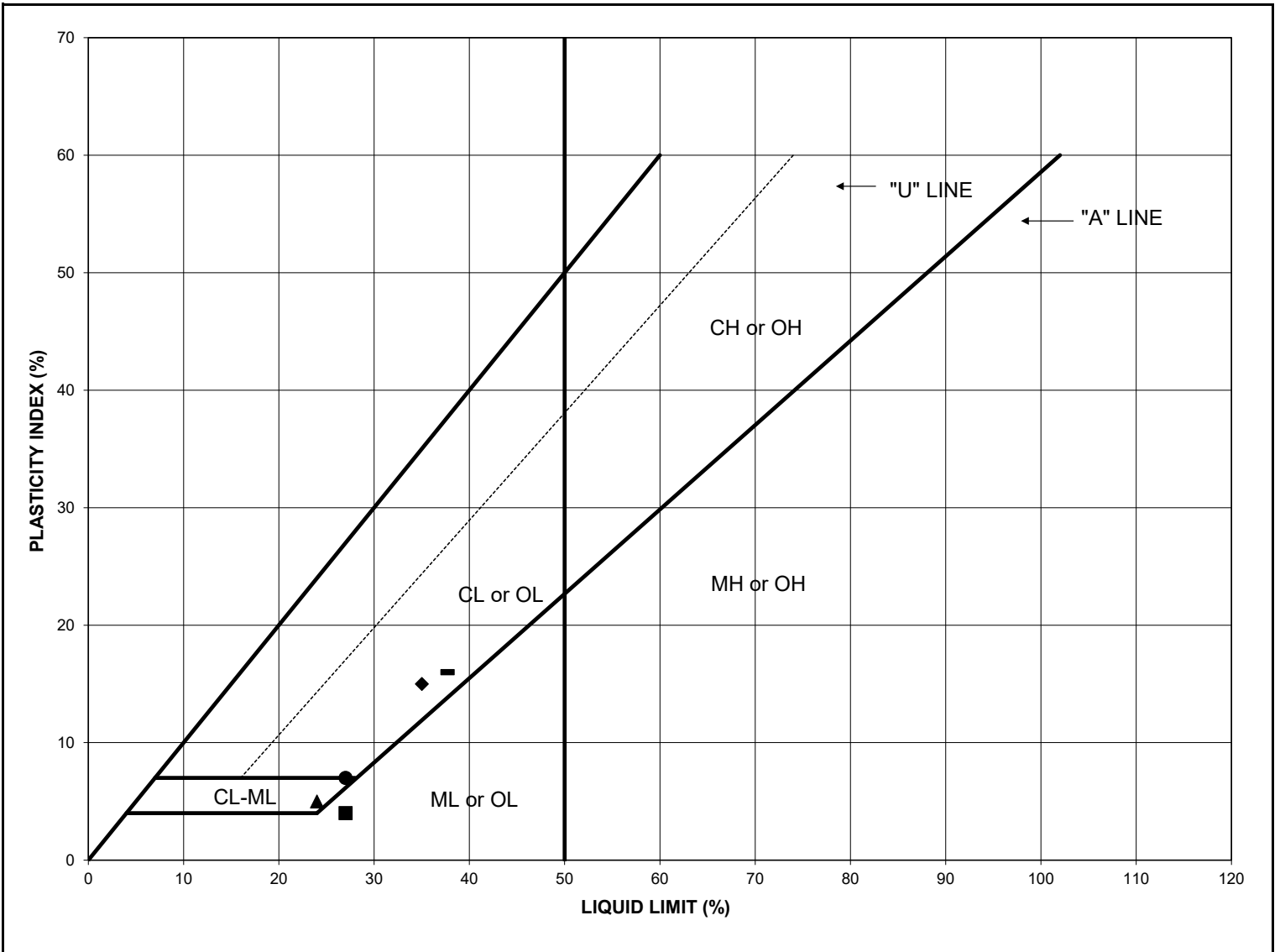
COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-5 @ 1.17' 3.0'	POORLY GRADED SAND W/ SILT & GRAVEL (SP-SM)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE <h1>18</h1>
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022



COBBLES	GRAVEL	SAND	SILT OR CLAY
Symbol	Sample Source	Classification	
■	TP-6 @ .42 - 2.5'	POORLY GRADED SAND W/ GRAVEL (SP)	

 EASTERN SIERRA ENGINEERING	PARTICLE SIZE ANALYSIS 4TH STREET SPARKS, NEVADA			FIGURE 19	
	DRAWN MPP	JOB NUMBER 21141	APPROVED SWJ	DATE 2/1/2022	REVISED

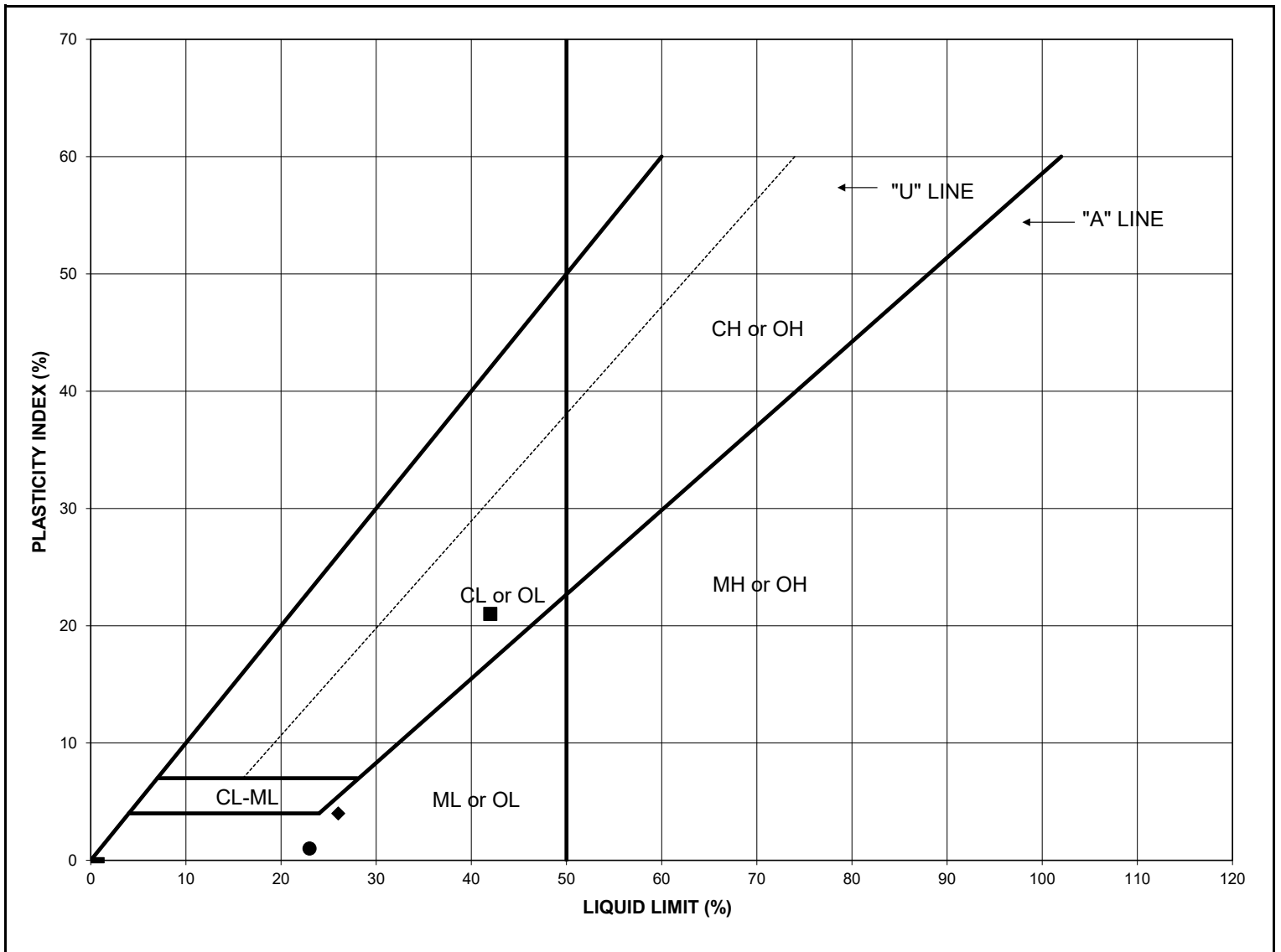


Symbol D 4318-10	Sample Source	Classification	Natural M.C. (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	% Passing #200 Sieve
□	TP-1 @ .67' - 1.25'	POORLY GRADED GRAVEL W/ SILT & SAND (GP-GM)	9.4	27	23	4	11.0
◇	TP-1 @ 1.25' - 1.83'	CLAYEY SAND (SC)	13.7	35	20	15	38.8
△	TP-1 @ 1.83 - 3.0	SILTY CLAYEY GRAVEL W/ SAND (GC-GM)	7.4	24	19	5	12.8
○	TP-2 @ .42' - 1.58'	POORLY GRADED SAND W/ CLAY & GRAVEL (SP-SC)	8.6	27	20	7	11.5
▭	TP-2 @ 1.58' - 3.0'	CLAYEY GRAVEL W/ SAND (GC)	8.3	37	21	16	16.8



PLASTICITY CHART
4TH STREET
SPARKS, NEVADA

**FIGURE
20**

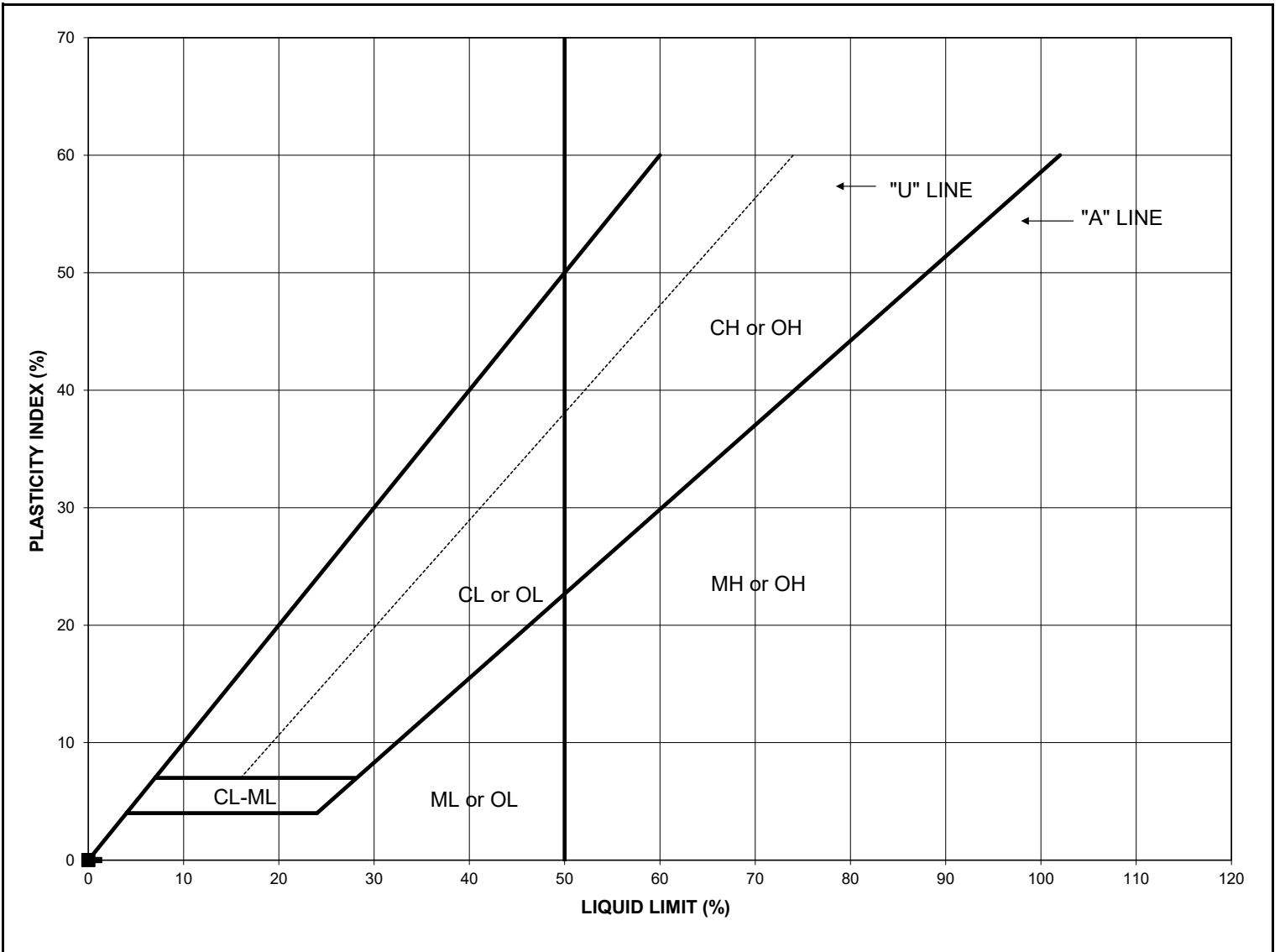


Symbol D 4318-10	Sample Source	Classification	Natural M.C. (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	% Passing #200 Sieve
□	TP-3 @ 1.5' - 3.0'	SANDY LEAN CLAY (CL)	14.8	42	21	21	62.7
◇	TP-4 @ .46' - 1.42'	POORLY GRADED GRAVEL W/ SILT AND SAND (GP-GM)	7.2	26	22	4	10.0
△	TP-4 @ 1.42' - 3.0'	SILTY SAND W/ GRAVEL (SM)	10.2			NP	24.4
○	TP-5 @ .5' - 1.17'	SILTY GRAVEL W/ SAND (GM)	8.8	23	22	1	13.1
▭	TP-5 @ 1.17' - 3.0'	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM)	4.3			NP	5.7



PLASTICITY CHART
4TH STREET
SPARKS, NEVADA

**FIGURE
21**

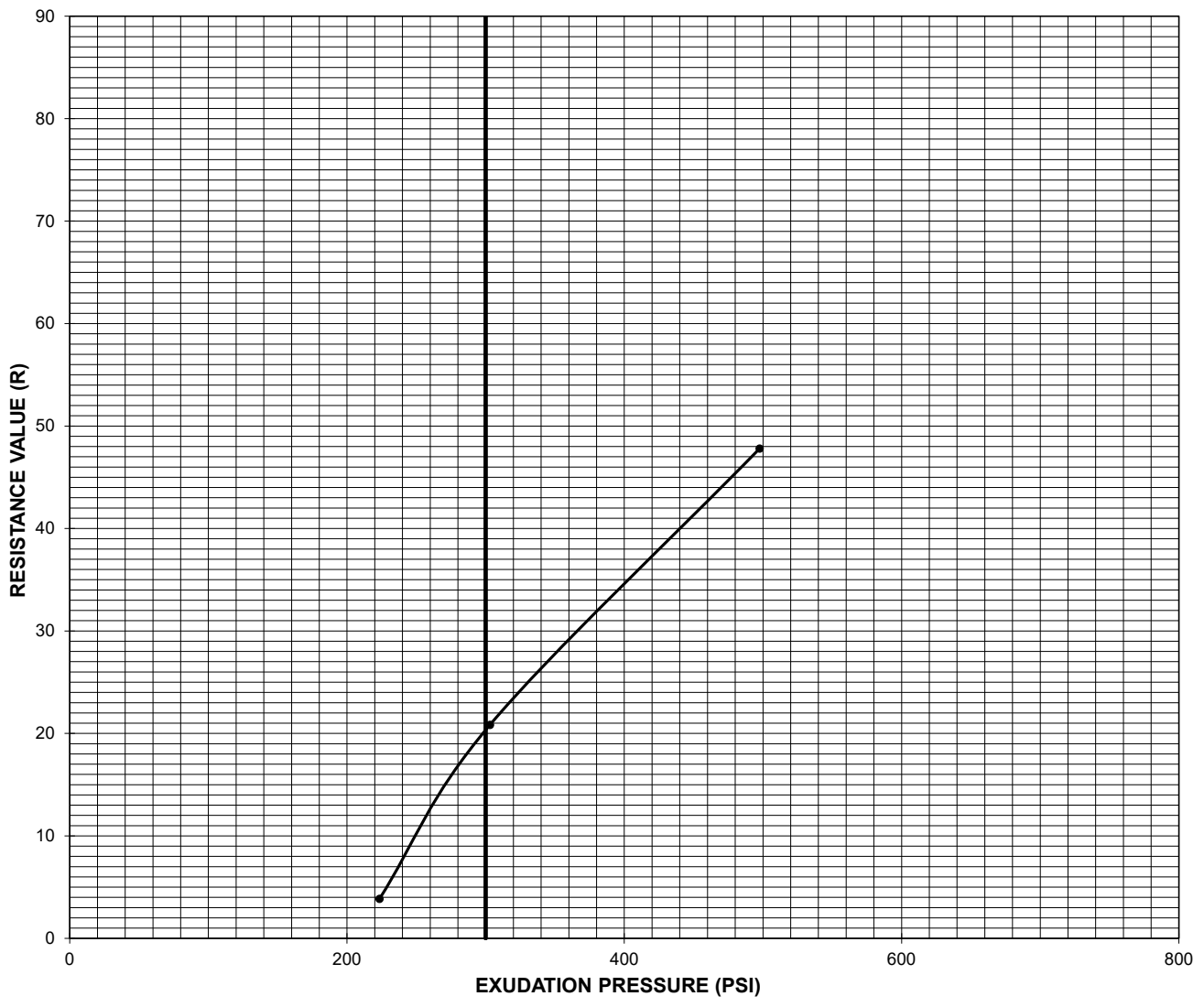


Symbol D 4318-10	Sample Source	Classification	Natural M.C. (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	% Passing #200 Sieve
□	TP-6 @ .42 - 2.5'	POORLY GRADED SAND W/ GRAVEL (SP)	3.6			NP	2.0
◇							
△							
○							
▭							



PLASTICITY CHART
4TH STREET
SPARKS, NEVADA

**FIGURE
22**



D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-2 @ 1.58' - 3.0' (1 of 2)	CLAYEY GRAVEL W/SAND (GC)	0.1	20

POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	12.2	124.0	498	0	48
2	13.9	121.5	303	0	21
3	15.2	120.0	223	0	4
4					
5					
6					



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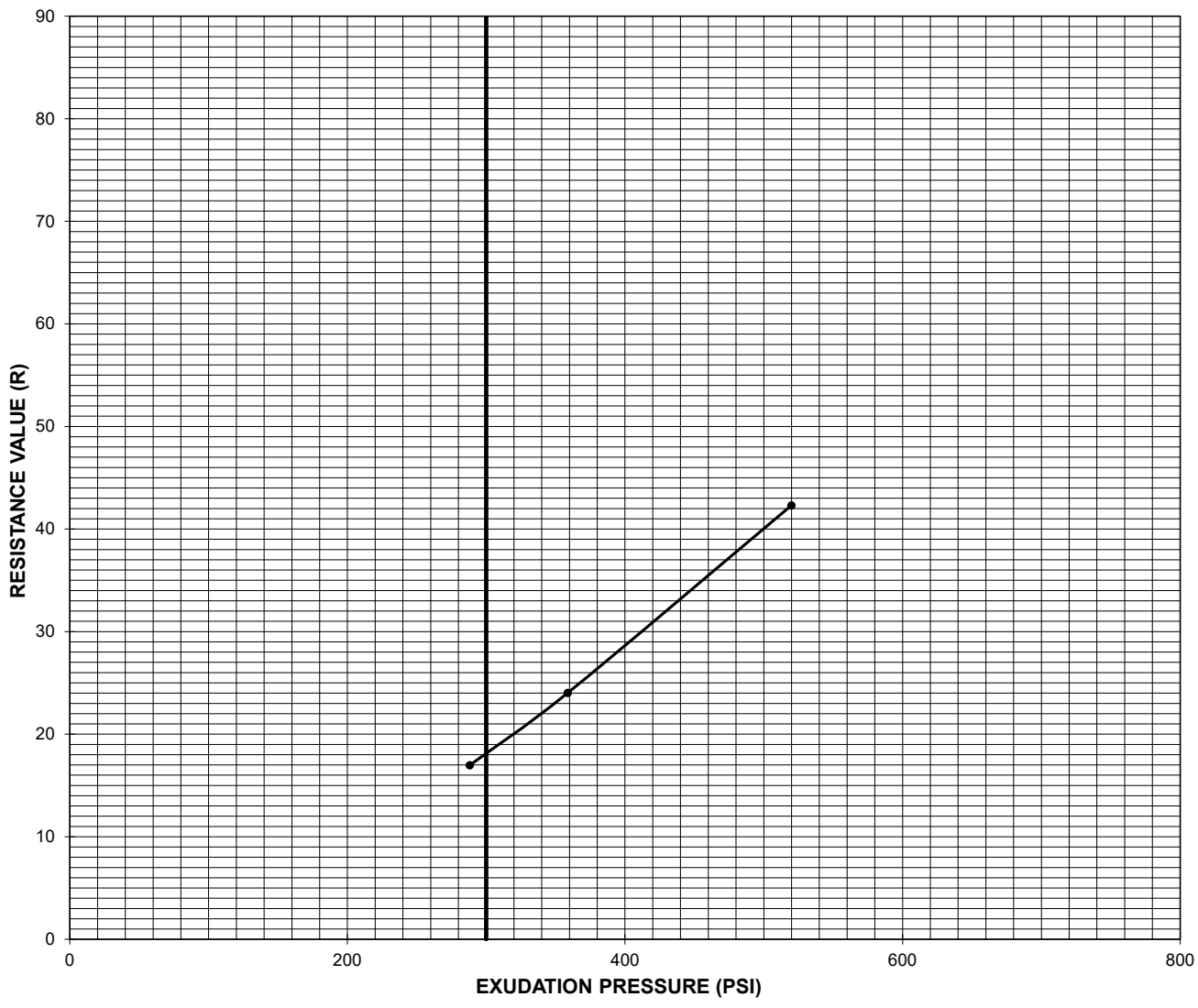
CIVIL ENGINEERING & CONSTRUCTION SERVICES

RESISTANCE VALUE TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE

23

DRAWN DB	ESE BULK # 5294	JOB NUMBER 21141	APPROVED SWJ	DATE 2/8/2022	REVISED	DATE
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D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-2 @ 1.58' - 3.0' (2 of 2)	CLAYEY GRAVEL W/SAND (GC)	0.1	18

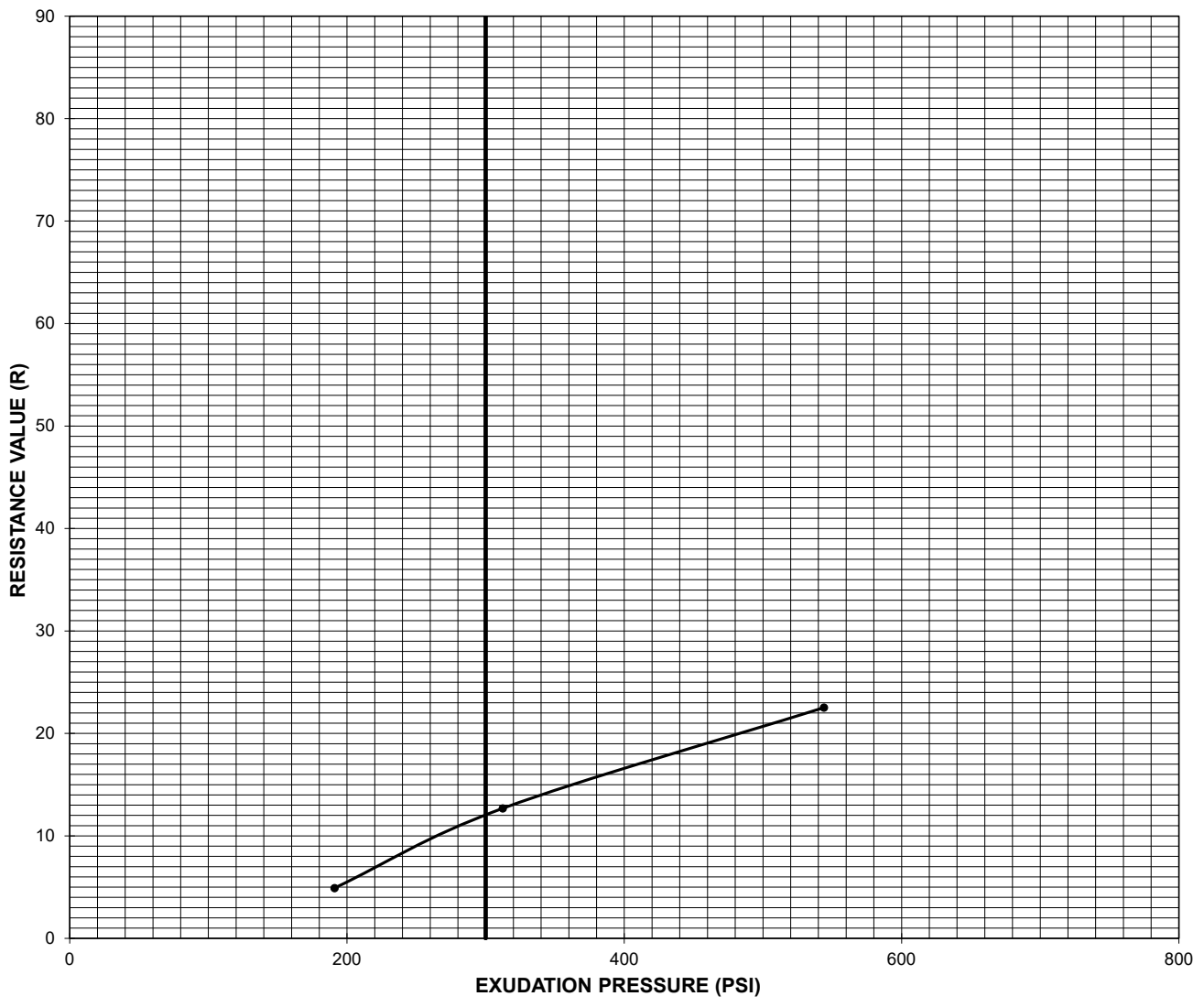
POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	12.7	123.6	520	0	42
2	13.6	122.6	359	0	24
3	16.1	119.9	288	0	17
4					
5					
6					



RESISTANCE VALUE TEST DATA
 4TH STREET
 SPARKS, NEVADA

FIGURE
24

DRAWN DB	ESE BULK # 5294	JOB NUMBER 21141	APPROVED SWJ	DATE 2/8/2022	REVISED	DATE
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D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-3 @ 1.50' - 3.0' (1 of 2)	SANDY LEAN CLAY (CL)	0.2	12

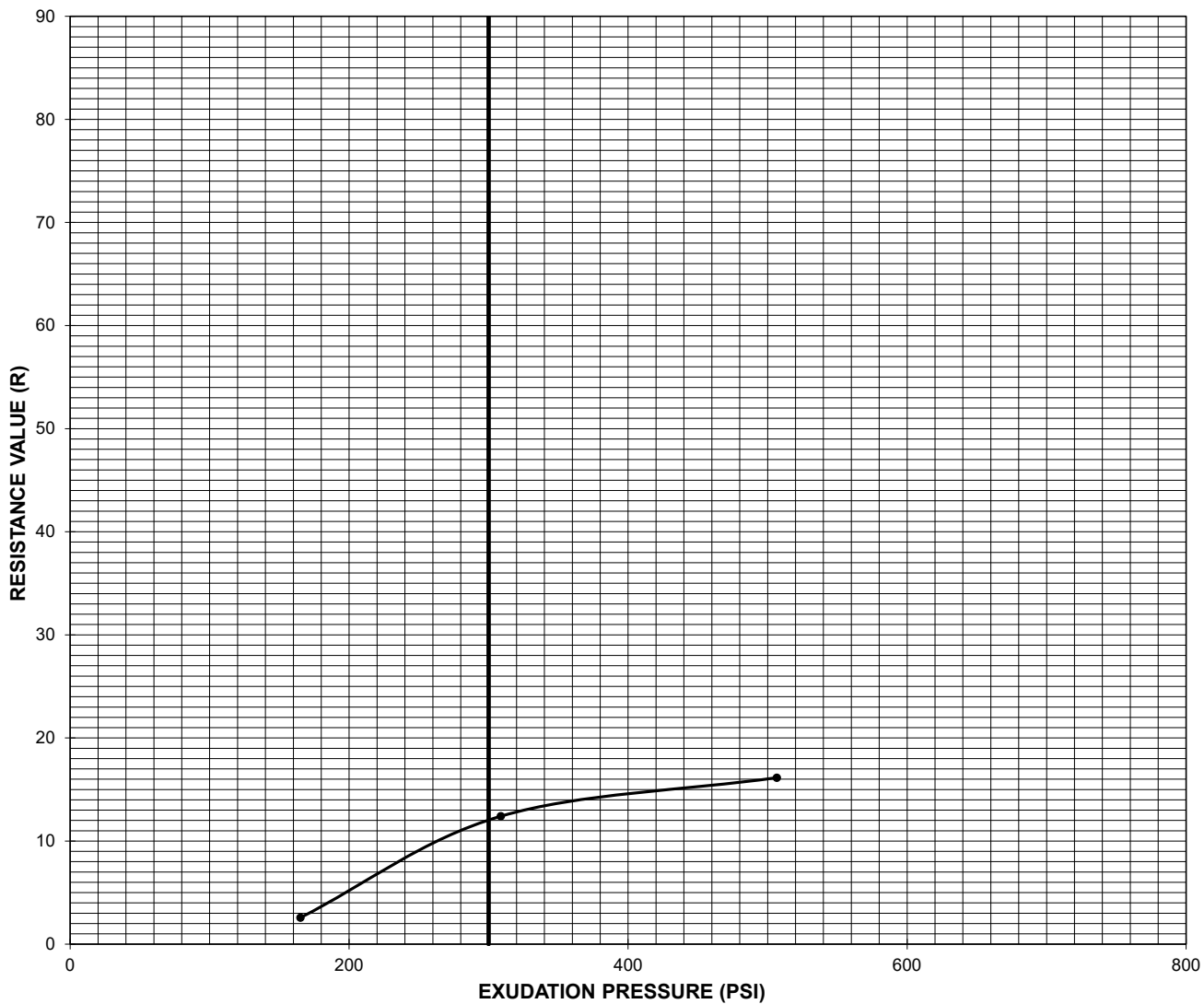
POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	19.3	106.5	544	0	23
2	21.7	105.7	312	0	13
3	23.3	100.4	191	0	5
4					
5					
6					



RESISTANCE VALUE TEST DATA
 4TH STREET
 SPARKS, NEVADA

FIGURE
25

DRAWN DB	ESE BULK # 5295	JOB NUMBER 21141	APPROVED SWJ	DATE 2/8/2022	REVISED	DATE
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D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-3 @ 1.50' - 3.0' (2 of 2)	SANDY LEAN CLAY (CL)	0.2	12

POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	21.3	104.5	507	0	16
2	22.6	101.7	309	0	12
3	24.4	98.6	165	0	3
4					
5					
6					

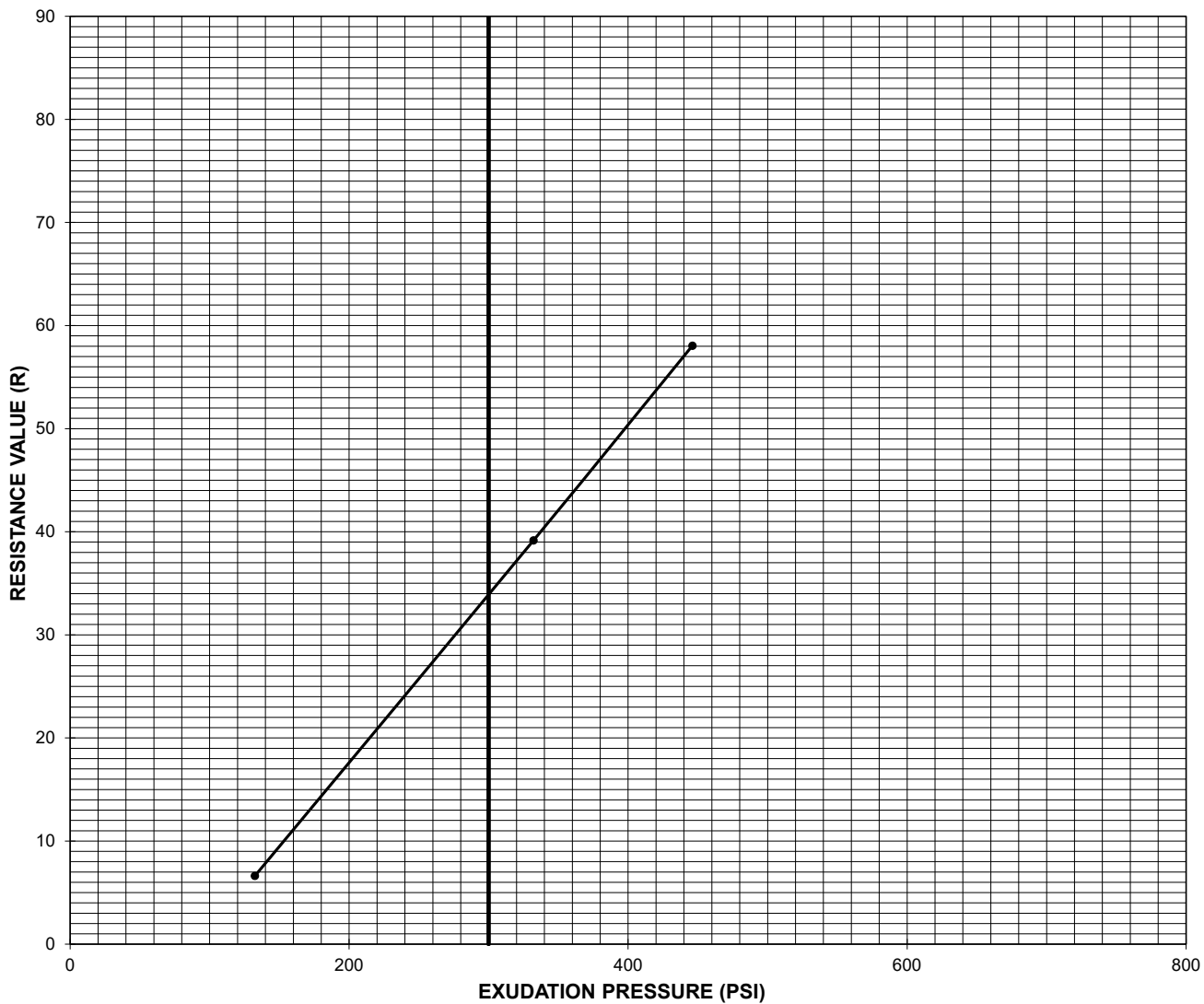


CIVIL ENGINEERING & CONSTRUCTION SERVICES

RESISTANCE VALUE TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE
26

DRAWN	ESE BULK #	JOB NUMBER	APPROVED	DATE	REVISED	DATE
DB	5295	21141	SWJ	2/8/2022		



D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-4 @ 1.42' - 3.0' (1 of 2)	SILTY SAND W/GRAVEL (SM)	0.0	34

POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	12.7	121.1	446	0	58
2	13.4	123.3	332	0	39
3	14.4	119.3	132	0	7
4					
5					
6					

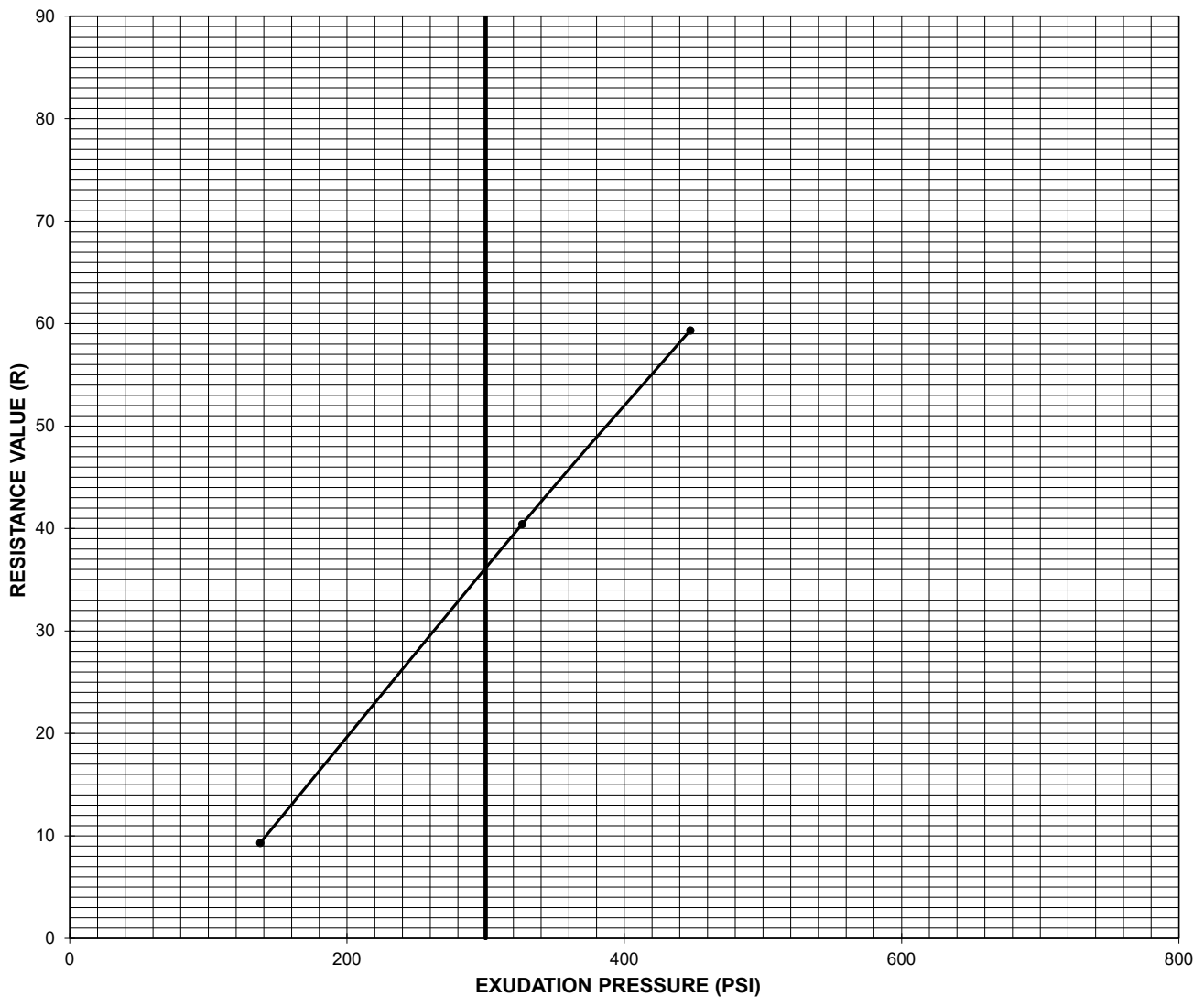


CIVIL ENGINEERING & CONSTRUCTION SERVICES

RESISTANCE VALUE TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE
27

DRAWN	ESE BULK #	JOB NUMBER	APPROVED	DATE	REVISED	DATE
DB	5297	21141	SWJ	2/9/2022		



D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-4 @ 1.42' - 3.0' (2 of 2)	SILTY SAND W/GRAVEL (SM)	0.0	36

POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	12.5	123.7	448	0	59
2	13.3	123.0	326	0	40
3	14.0	120.6	137	0	9
4					
5					
6					



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ENGINEERING**

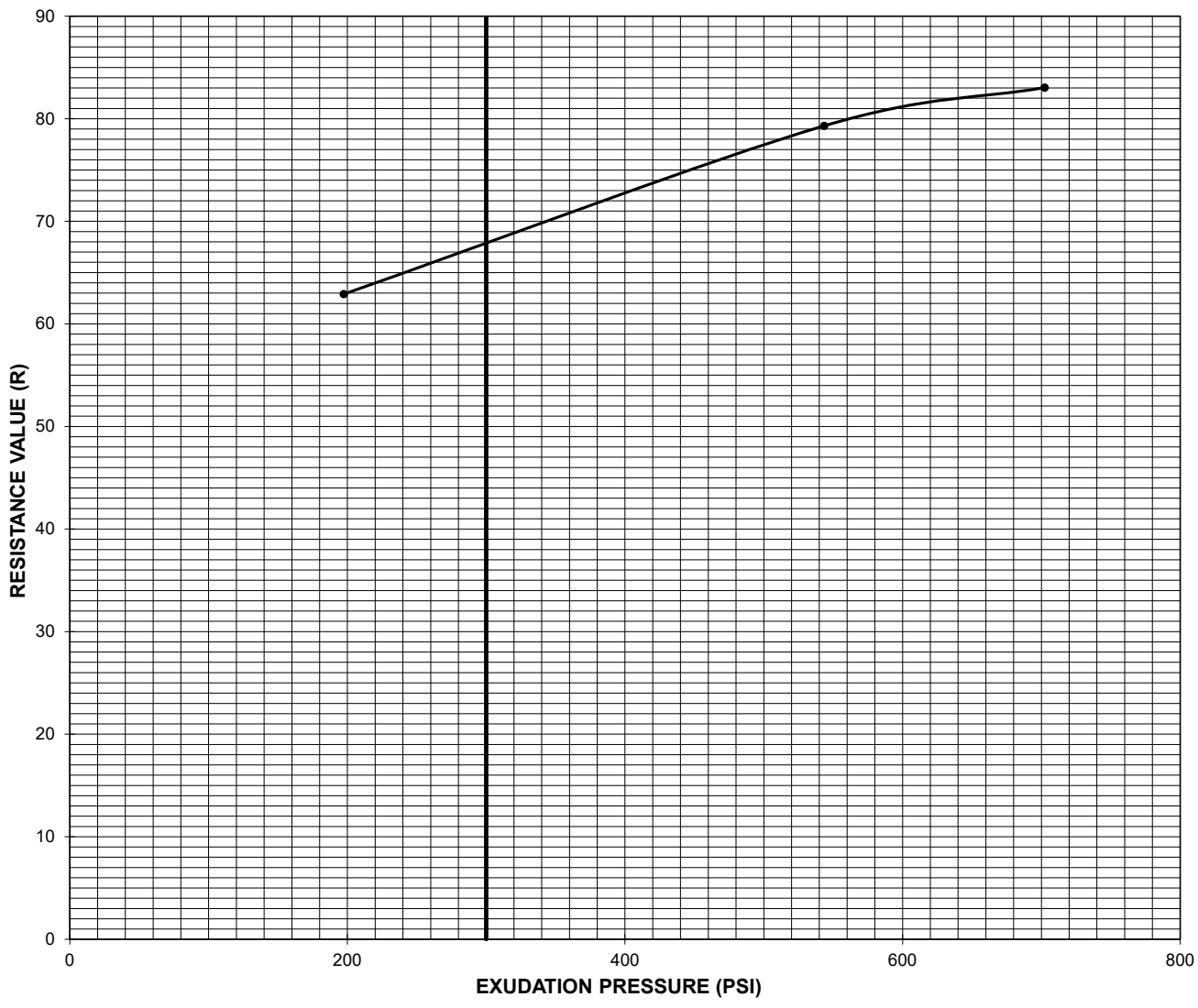
CIVIL ENGINEERING & CONSTRUCTION SERVICES

RESISTANCE VALUE TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE

28

DRAWN	ESE BULK #	JOB NUMBER	APPROVED	DATE	REVISED	DATE
DB	5297	21141	SWJ	2/9/2022		



D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-5 @ 1.17' - 3.0' (1 of 2)	POORLY GRADED SAND W/ SILT & GRAVEL (SP-SM)	0.0	68

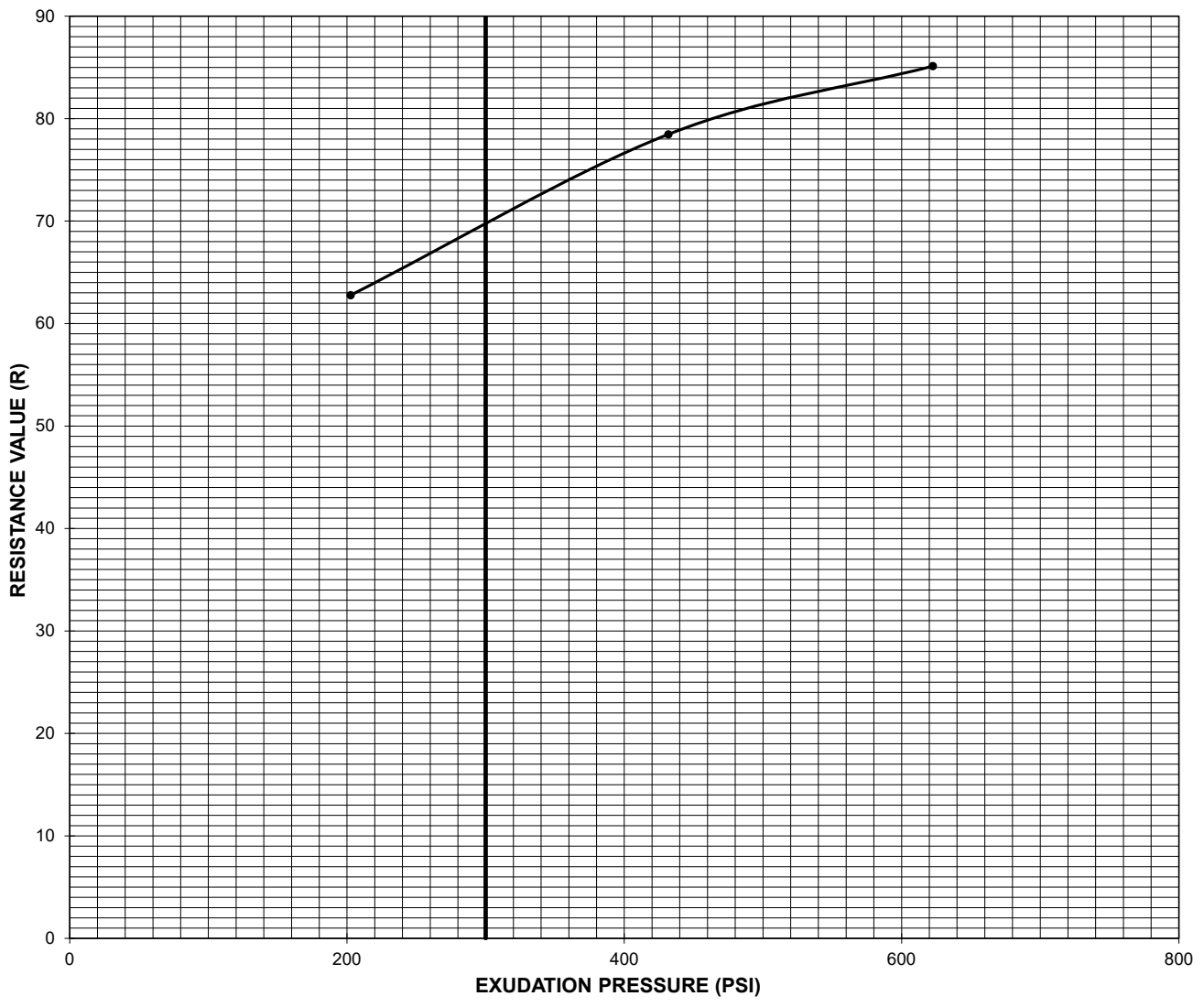
POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	8.2	125.0	702	0	83
2	10.8	124.7	543	0	79
3	12.7	122.8	197	0	63
4					
5					
6					



RESISTANCE VALUE TEST DATA
 4TH STREET
 SPARKS, NEVADA

FIGURE
29

DRAWN DB	ESE BULK # 5299	JOB NUMBER 21141	APPROVED SWJ	DATE 2/10/2022	REVISED	DATE
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D 2844 Symbol	Sample Source	Classification	Expansion Pressure (psf)	R-value
o	TP-5 @ 1.17' - 3.0' (2 of 2)	POORLY GRADED SAND W/ SILT & GRAVEL (SP-SM)	0.0	70

POINT #	WATER CONTENT (%)	DRY DENSITY (PCF)	EXUDATION PRESS. (PSI)	EXPANSION PRESS. (PSF)	RESISTANCE VALUE (R)
1	10.7	125.1	623	0	85
2	11.8	124.9	432	0	78
3	12.3	120.7	203	0	63
4					
5					
6					

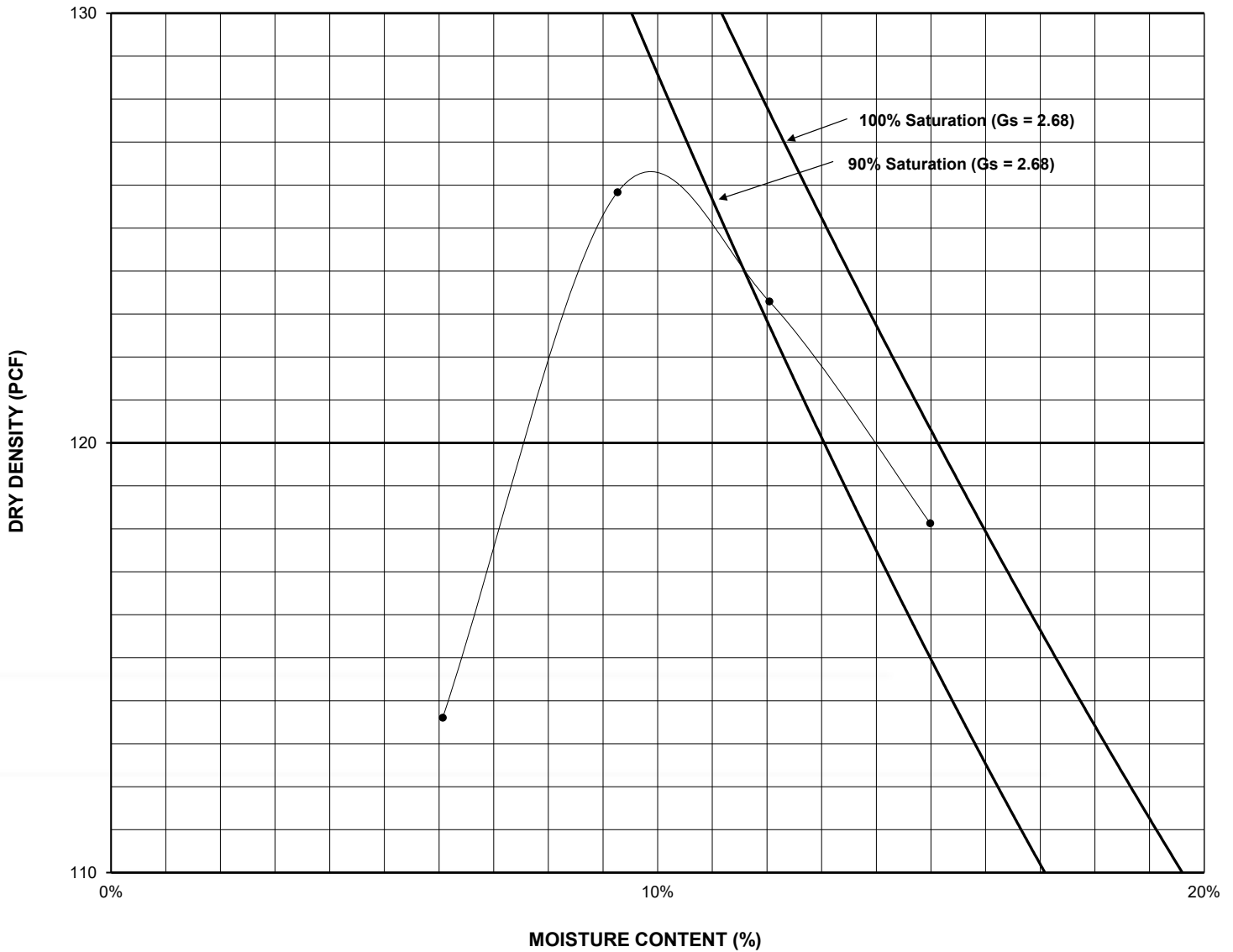


CIVIL ENGINEERING & CONSTRUCTION SERVICES

RESISTANCE VALUE TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE
30

DRAWN DB	ESE BULK # 5299	JOB NUMBER 21141	APPROVED SWJ	DATE 2/10/2022	REVISED	DATE
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D1557 Symbol	Sample Source	Classification (Description)	Optimum Water Content (%)	Maximum Dry Density (pcf)
°	TP-2 @ 1.58' - 3.0'	CLAYEY GRAVEL W/SAND (GC)	<u>Uncorrected</u> 9.8	<u>Uncorrected</u> 126.4
			<u>w/Rock Correction</u> 6.8	<u>w/Rock Correction</u> 138.9

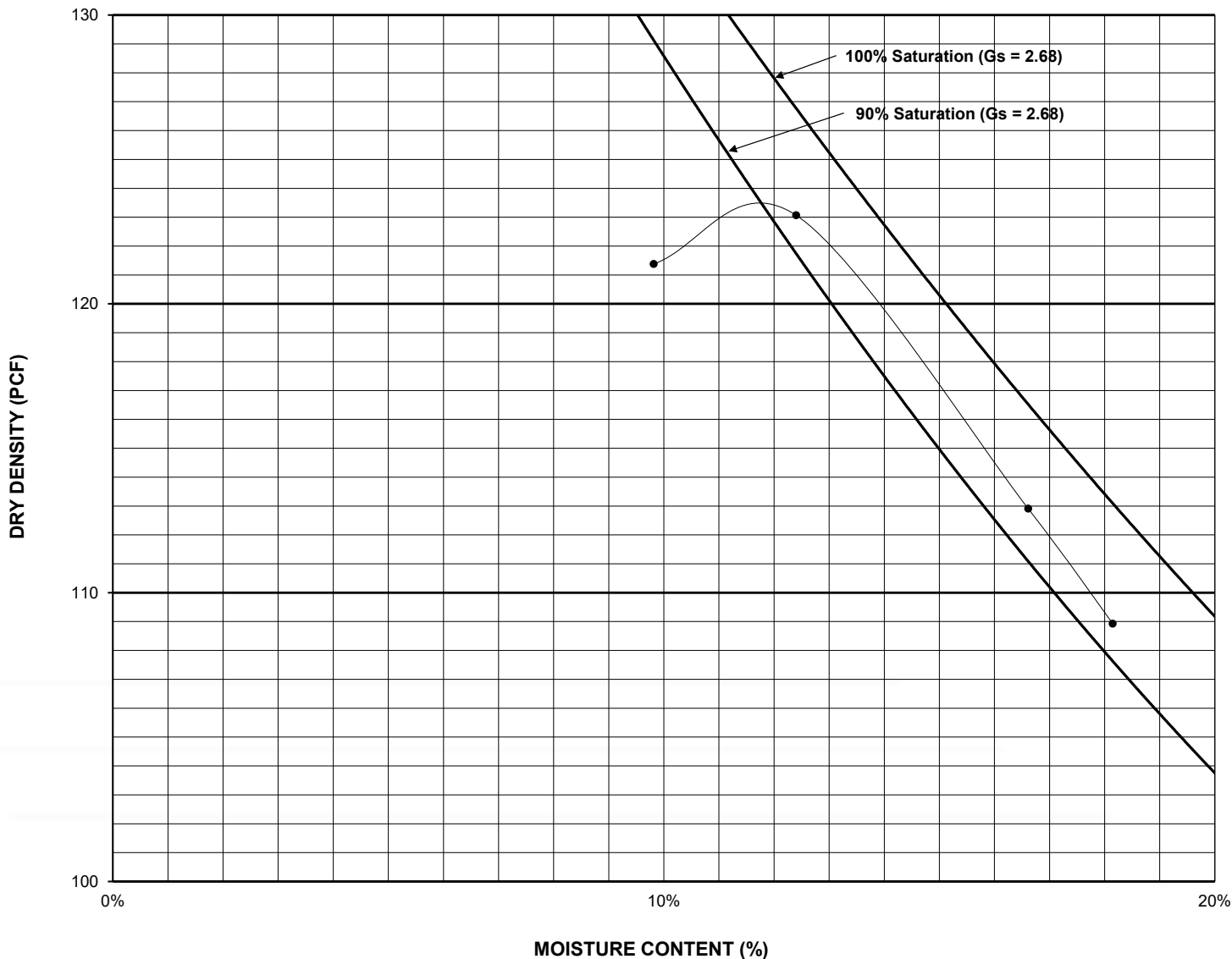
TEST METHOD: <u>D1557</u>	MOLD (in): <u>6</u>	POINT #	MOISTURE	DRY DENSITY (PCF)
METHOD: <u>C</u>	HAMMER (LBS.): <u>10</u>	1	<u>6.1%</u>	<u>113.6</u>
LAYERS: <u>5</u>	FALL (in): <u>18</u>	2	<u>9.3%</u>	<u>125.8</u>
BLOWS: <u>56</u>		3	<u>12.0%</u>	<u>123.3</u>
		4	<u>15.0%</u>	<u>118.1</u>
		5	<u> </u>	<u> </u>
		6	<u> </u>	<u> </u>
% PASSING	SPECIFIC GRAVITY	ABSORPTION (%):		
3/4" <u>59.1</u>	ASSUMED: <u>2.68</u>	ESE BULK NO.: <u>5294</u>		
3/8" <u> </u>	ASTM C-127 <u> </u>	DATE SAMPLED: <u>1/25/22</u>		
#4 <u> </u>				



COMPACTION TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE
31

DRAWN DB	JOB NUMBER 21141	APPROVED SWJ	DATE 2/3/2022	REVISED	DATE
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D1557 Symbol	Sample Source	Classification (Description)	Optimum Water Content (%)	Maximum Dry Density (pcf)
°	TP-3 @ 1.5' - 3.0'	SANDY LEAN CLAY (CL)	11.8	123.6

TEST METHOD: <u>D1557</u>	MOLD (in): <u>6</u>	POINT #	MOISTURE	DRY DENSITY (PCF)
METHOD: <u>C</u>	HAMMER (LBS.): <u>10</u>	1	<u>9.8%</u>	<u>121.4</u>
LAYERS: <u>5</u>	FALL (in): <u>18</u>	2	<u>12.4%</u>	<u>123.1</u>
BLOWS: <u>56</u>		3	<u>16.6%</u>	<u>112.9</u>
		4	<u>18.1%</u>	<u>108.9</u>
		5	<u> </u>	<u> </u>
% PASSING	SPECIFIC GRAVITY	6	<u> </u>	<u> </u>
3/4" <u>100.0</u>	ASSUMED: <u>2.68</u>			
3/8" <u> </u>	ASTM C-127 <u> </u>			
#4 <u> </u>				
	ABSORPTION (%): <u> </u>			
	ESE BULK NO.: <u>5295</u>			
	DATE SAMPLED: <u>1/25/22</u>			

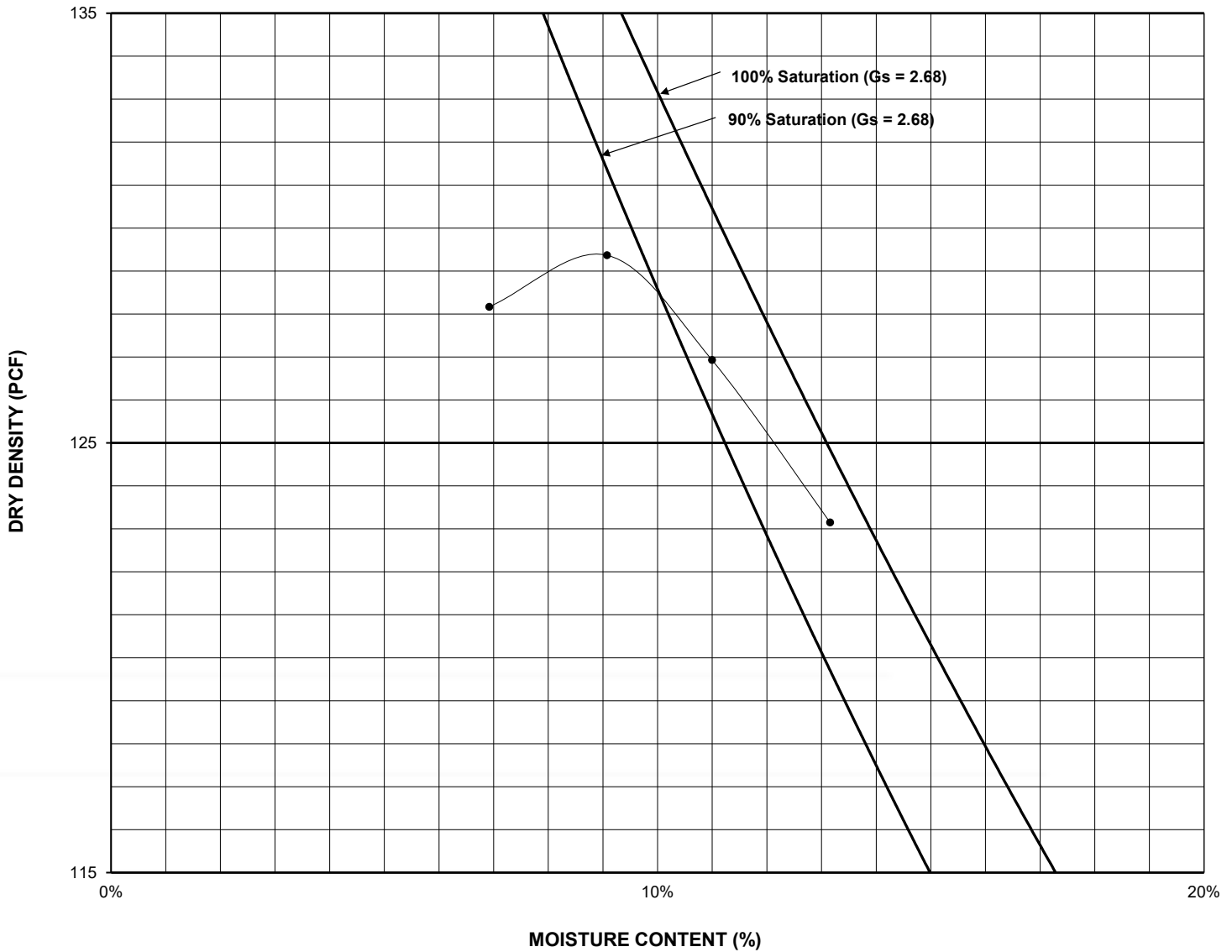


COMPACTION TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE

32

DRAWN DB	JOB NUMBER 21141	APPROVED SWJ	DATE 2/3/2022	REVISED	DATE
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D1557 Symbol	Sample Source	Classification (Description)	Optimum Water Content (%)	Maximum Dry Density (pcf)
°	TP-4 @ 0.46' - 1.42'	POORLY GRADED GRAVEL W/SILT & SAND (GP-GM)	<u>Uncorrected</u> 9.0	<u>Uncorrected</u> 129.5
			<u>w/Rock Correction</u> 8.1	<u>w/Rock Correction</u> 133.2

TEST METHOD: <u>D1557</u>	MOLD (in): <u>6</u>	POINT #	MOISTURE	DRY DENSITY (PCF)
METHOD: <u>C</u>	HAMMER (LBS.): <u>10</u>	1	<u>6.9%</u>	<u>128.2</u>
LAYERS: <u>5</u>	FALL (in): <u>18</u>	2	<u>9.1%</u>	<u>129.4</u>
BLOWS: <u>56</u>		3	<u>11.0%</u>	<u>126.9</u>
		4	<u>13.2%</u>	<u>123.1</u>
		5		
		6		
% PASSING	SPECIFIC GRAVITY	ABSORPTION (%):		
3/4" <u>86.0</u>	ASSUMED: <u>2.68</u>	ESE BULK NO.: <u>5296</u>		
3/8" _____	ASTM C-127 _____	DATE SAMPLED: <u>1/25/22</u>		
#4 _____				

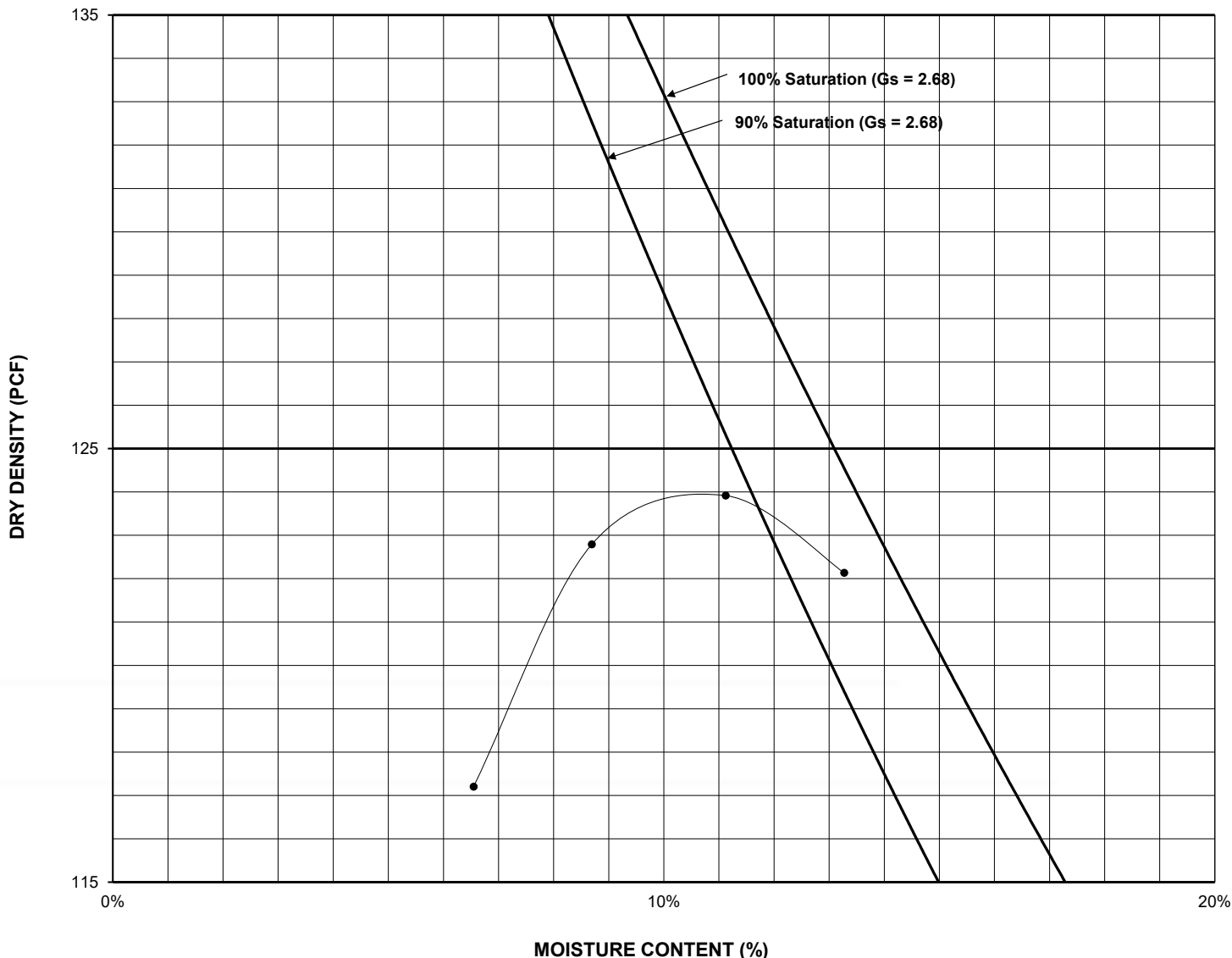


COMPACTION TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE

33

DRAWN DB	JOB NUMBER 21141	APPROVED SWJ	DATE 2/3/2022	REVISED	DATE
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D1557 Symbol	Sample Source	Classification (Description)	Optimum Water Content (%)	Maximum Dry Density (pcf)
°	TP-4 @ 1.42' - 3.0'	SILTY SAND WITH GRAVEL (SM)	<u>Uncorrected</u> 11.8	<u>Uncorrected</u> 124.0
			<u>w/Rock Correction</u> 10.9	<u>w/Rock Correction</u> 127.4

TEST METHOD: <u>D1557</u>	MOLD (in): <u>6</u>	POINT #	MOISTURE	DRY DENSITY (PCF)
METHOD: <u>C</u>	HAMMER (LBS.): <u>10</u>	1	<u>6.5%</u>	<u>117.2</u>
LAYERS: <u>5</u>	FALL (in): <u>18</u>	2	<u>8.7%</u>	<u>122.8</u>
BLOWS: <u>56</u>		3	<u>11.1%</u>	<u>123.9</u>
		4	<u>13.3%</u>	<u>122.1</u>
		5		
		6		
% PASSING	SPECIFIC GRAVITY	ABSORPTION (%):		
3/4" <u>88.3</u>	ASSUMED: <u>2.68</u>	ESE BULK NO.: <u>5297</u>		
3/8" _____	ASTM C-127 _____	DATE SAMPLED: <u>1/25/22</u>		
#4 _____				

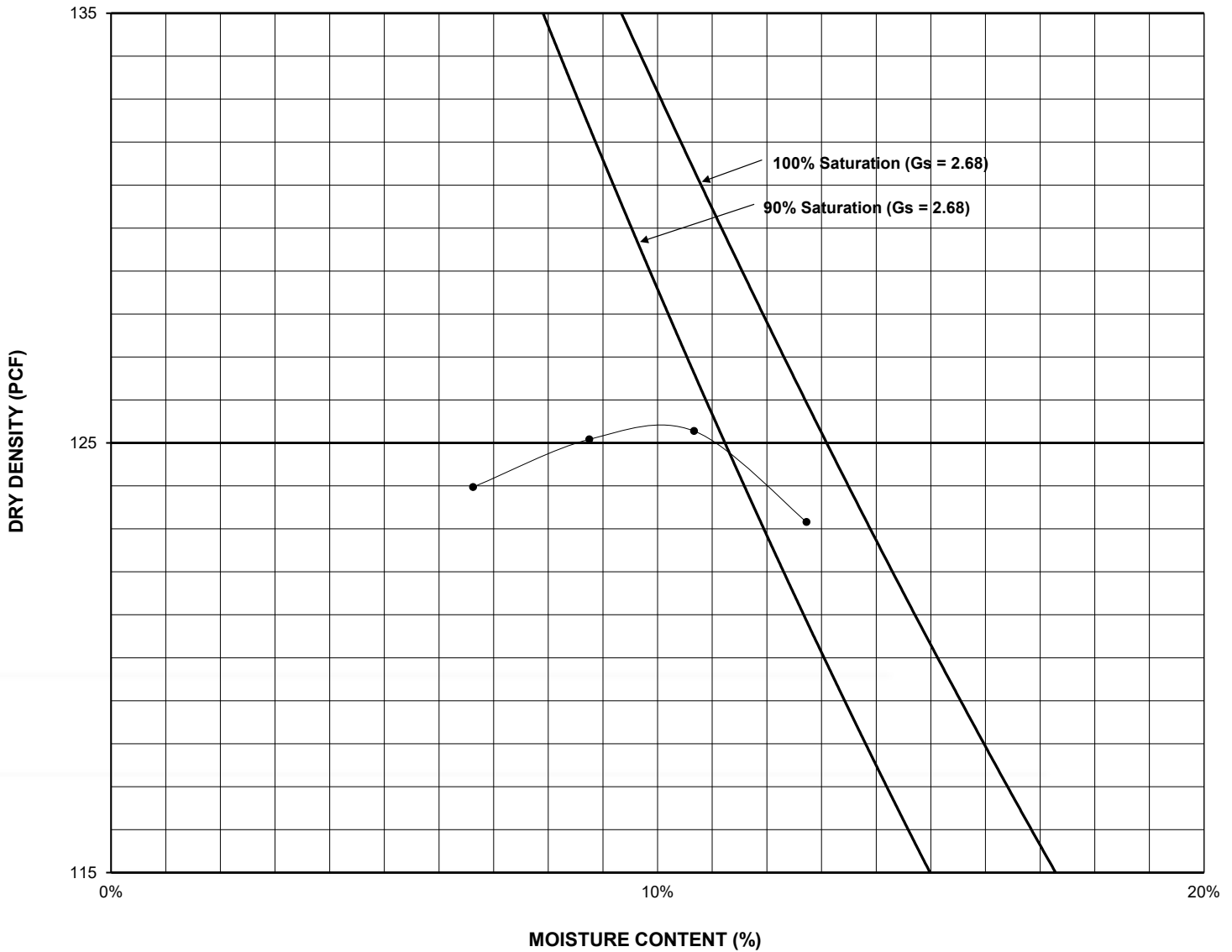


COMPACTION TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE

34

DRAWN DB	JOB NUMBER 21141	APPROVED SWJ	DATE 2/3/2022	REVISED	DATE
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D1557 Symbol	Sample Source	Classification (Description)	Optimum Water Content (%)	Maximum Dry Density (pcf)
°	TP-5 @ 1.17' - 3.0'	POORLY GRADED SAND W/SILT & GRAVEL (SP-SM)	<u>Uncorrected</u> 10.1	<u>Uncorrected</u> 125.5
			<u>w/Rock Correction</u> 7.2	<u>w/Rock Correction</u> 136.7

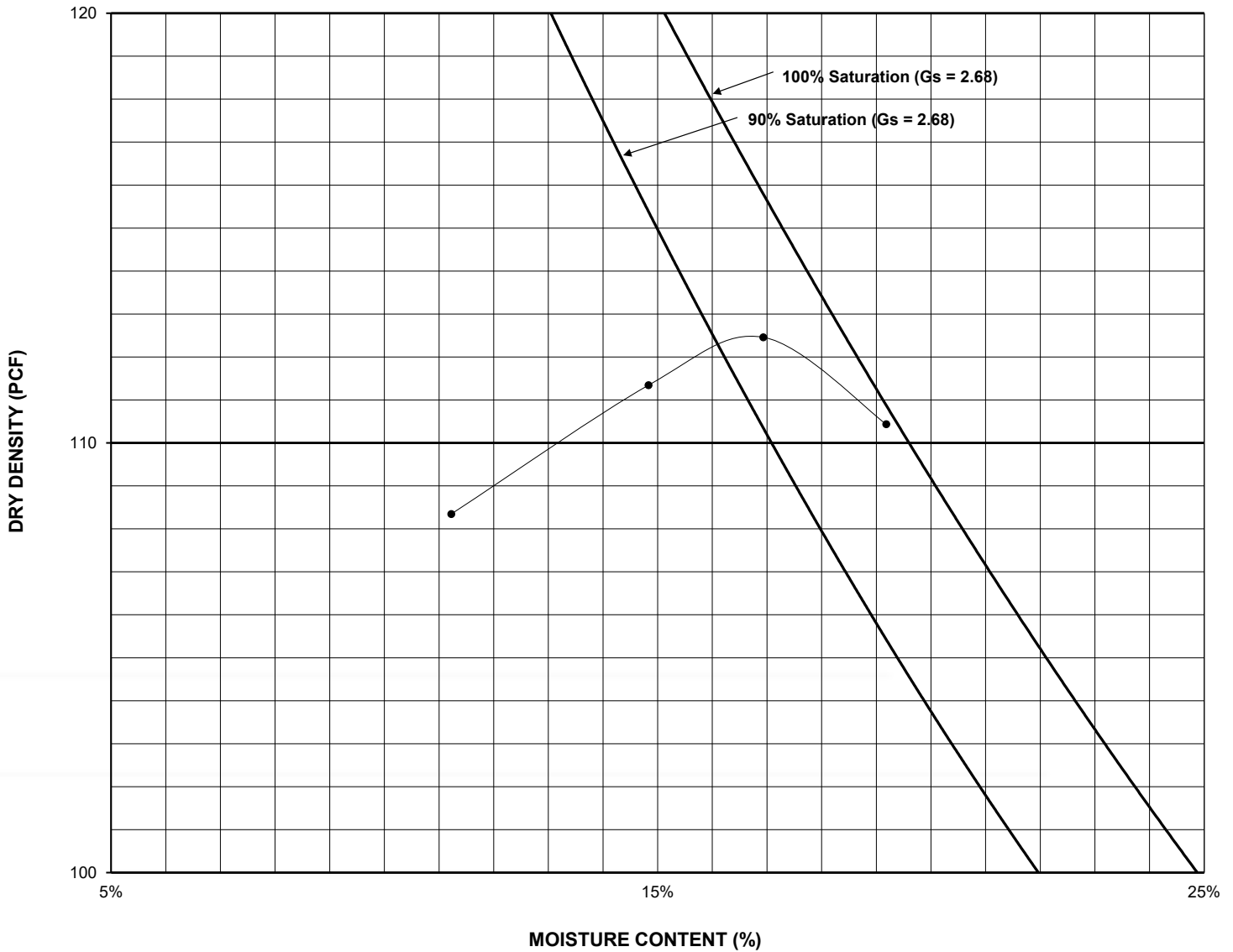
TEST METHOD: <u>D1557</u>	MOLD (in): <u>6</u>	POINT #	MOISTURE	DRY DENSITY (PCF)
METHOD: <u>C</u>	HAMMER (LBS.): <u>10</u>	1	<u>6.6%</u>	<u>124.0</u>
LAYERS: <u>5</u>	FALL (in): <u>18</u>	2	<u>8.7%</u>	<u>125.1</u>
BLOWS: <u>56</u>		3	<u>10.7%</u>	<u>125.3</u>
		4	<u>12.7%</u>	<u>123.2</u>
		5	<u> </u>	<u> </u>
		6	<u> </u>	<u> </u>
% PASSING	SPECIFIC GRAVITY	ABSORPTION (%):		
3/4" <u>62.6</u>	ASSUMED: <u>2.68</u>	ESE BULK NO.: <u>5299</u>		
3/8" <u> </u>	ASTM C-127 <u> </u>	DATE SAMPLED: <u>1/25/22</u>		
#4 <u> </u>				



COMPACTION TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE
35

DRAWN DB	JOB NUMBER 21141	APPROVED SWJ	DATE 2/3/2022	REVISED	DATE
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D1557 Symbol	Sample Source	Classification (Description)	Optimum Water Content (%)	Maximum Dry Density (pcf)
°	TP-6 @ 0.42' - 2.5'	POORLY GRADED SAND W/GRAVEL (SP)	<u>Uncorrected</u> 16.7	<u>Uncorrected</u> 112.6
			<u>w/Rock Correction</u> 10.0	<u>w/Rock Correction</u> 129.7

TEST METHOD: <u>D1557</u>	MOLD (in): <u>6</u>	POINT #	MOISTURE	DRY DENSITY (PCF)
METHOD: <u>C</u>	HAMMER (LBS.): <u>10</u>	1	<u>11.2%</u>	<u>108.3</u>
LAYERS: <u>5</u>	FALL (in): <u>18</u>	2	<u>14.8%</u>	<u>111.3</u>
BLOWS: <u>56</u>		3	<u>16.9%</u>	<u>112.5</u>
		4	<u>19.2%</u>	<u>110.4</u>
		5	<u> </u>	<u> </u>
		6	<u> </u>	<u> </u>
% PASSING	SPECIFIC GRAVITY	ABSORPTION (%):		
3/4" <u>55.0</u>	ASSUMED: <u>2.68</u>	ESE BULK NO.: <u>5300</u>		
3/8" <u> </u>	ASTM C-127 <u> </u>	DATE SAMPLED: <u>1/25/22</u>		
#4 <u> </u>				



COMPACTION TEST DATA
4TH STREET
SPARKS, NEVADA

FIGURE
36

DRAWN DB	JOB NUMBER 21141	APPROVED SWJ	DATE 2/3/2022	REVISED	DATE
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APPENDIX C – WORK HISTORY AND PCI REPORTS

4/21/2022

Work History Report

Page 1 of 2

Pavement Database: City of Sparks_2022

Network: CITY OF SPARKS 1 Branch: B20004 4TH ST Section: 2 Surface:STMicr
 L.C.D. 7/10/1991 Use: ROADWA Rank: B Length: 3,287.00 (Ft) Width: 38.00 (Ft) True Area: 124906.0000 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/18/2011	ST-MS	Surface Treatment - Micro Surfacing	0.00	0.00	<input type="checkbox"/>	TYPE 3 MICRO
6/30/2005	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00	<input type="checkbox"/>	TYPE 3
1/31/2005	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	POLYFLEX 2
1/30/2005	PA-AD	Patching - AC Deep	0.00	0.00	<input type="checkbox"/>	
7/10/1991	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	
7/10/1991	OL-AS	Overlay - AC Structural	0.00	0.00	<input checked="" type="checkbox"/>	RTC CONTRACT/COORDINATED

Pavement Database: City of Sparks_2022**Summary:**

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
Crack Sealing - AC	1	124,906.00	0.00	0.00
New Construction - Initial	1	124,906.00	0.00	0.00
Overlay - AC Structural	1	124,906.00	0.00	0.00
Patching - AC Deep	1	124,906.00	0.00	0.00
Surface Treatment - Micro Surfacing	1	124,906.00	0.00	0.00
Surface Treatment - Slurry Seal	1	124,906.00	0.00	0.00

*Pavement Database: City of Sparks_2022**NetworkId: SPI*

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
B20004	2	7/10/1991	STMicr o	ROADWAY	B	2	124,906.00	4/1/2020	29	60

Pavement Database: City of Sparks_2022

Age Category	Average Age at Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI
26-30	29	124,906.00	1	60.00	0.00	60.00
ALL	29	124,906.00	1	60.00	0.00	60.00

Inspection Date	Condition	Method
02-25-1983	51	PCI
02-28-1990	51	PCI
07-10-1991	100	PCI
01-24-1994	95	PCI
11-20-1998	85	PCI
10-24-2001	86	PCI
06-27-2005	77	PCI
03-27-2006	85	PCI
10-13-2008	78	PCI
08-08-2011	100	PCI
04-15-2014	77	PCI
07-14-2017	64	PCI
04-01-2020	60	PCI

Apprenticeship Utilization Act Information and Forms

APPRENTICESHIP UTILIZATION ACT

BACKGROUND

Senate Bill 207 (Apprenticeship Utilization Act) 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.

A contractor or subcontractor engaged in **horizontal construction** who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 3 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

“Horizontal Construction” means the construction of any fixed work, including any irrigation, drainage, water supply, flood control, harbor, railroad, highway, tunnel, airport or airway, sewer, sewage disposal plant or water treatment facility and any ancillary vertical components thereof, bridge, inland waterway, pipeline for the transmission of petroleum or any other liquid or gaseous substance, pier, and work incidental thereto. The term does not include vertical construction, the construction of any terminal or other building of an airport or airway, or the construction of any other building.

A contractor or subcontractor engaged in **vertical construction** who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 10 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

“Vertical Construction” means the construction or remodeling of any building, structure or other improvement that is predominantly vertical, including, without limitation, a building, structure or improvement for the support, shelter and enclosure of persons, animals, chattels or movable property of any kind, and any improvement appurtenant thereto.

A Public Body/Awarding Body, upon the request of a contractor or subcontractor, **MAY** submit a request for a modification or waiver of the percentage of hours of labor of one or more apprentices prior to (1) the bid advertisement; (2) the bid opening; or (3) the award of the contract if, “Good Cause” exists. The Labor Commissioner may also grant a modification or waiver from the requirements of NRS 338.01165 after work on the public work has commenced.

CITY OF SPARKS – OPERATIONAL PROCESS FOR COMPLIANCE (POST-BID)

The timeline associated with initial collection of materials associated with compliance with the Apprenticeship Utilization Act (“the Act”) is as follows:

Pre-Award Meeting – Following the public opening of bids (as soon as practical), a meeting will be scheduled with the apparent low bidder to discuss the bidder’s ability to meet the requirements of the Act. At this meeting, the contractor will provide a “Project Workforce Checklist” that indicates the expected classification of workers on the project and the determination as to whether or not apprentices may be required per the provisions of the Act.

Determination of Availability of Apprentices

Immediately following the Pre-Award Meeting, the low bidder will survey the market to determine whether there are a sufficient number of apprentices available in the jurisdiction to meet the requirements of the Act, specific to the project at-hand. The contractor will then communicate the results of this survey to the City of Sparks by either indicating they can go forward without further action by the City or by delivering a completed “Apprenticeship Utilization Act Waiver Request” form(s) for consideration by the City and the Nevada Labor Commissioner.

Communications concerning compliance and/or delivery of waiver requests should occur within 14 calendar days of the Pre-Award Meeting.

Waiver Requests

Upon receipt of any waiver requests, the City will consider the materials provided and, as required, forward the materials to the Nevada Labor Commissioner for consideration and possible approval. Upon receipt of that determination, the City of Sparks will communicate the results back to the Contractor as soon as possible.

Contract Award

Once the City and the low bidder have completed the work required to determine the apparent compliance with the Act, the award of the construction contract will be scheduled for consideration by the City Council.

Post-Award Requests

As allowed by the Act, should an awarded Contractor determine in the course of a project that their ability to comply with the requirements of the Act has changed, additional waiver requests or other relevant information should be communicated to the City as soon as practical for further action and consideration by the City and/or the Nevada Labor Commissioner.

Sample Forms

Additional information and sample forms for use in compliance with the Act may be found on the website of the Nevada Labor Commissioner at:

http://labor.nv.gov/Apprenticeship_Utilization_Act/Apprenticeship_Utilization_Act/

This information may also be found following this page and include:

- 1) Apprenticeship Utilization Guide
- 2) Apprenticeship Verification Process
- 3) Project Workforce Checklist
- 4) Request for Apprentice Availability on a Public Work
- 5) Apprenticeship Utilization Act Waiver Request

STEVE SISOLAK
GOVERNOR

TERRY REYNOLDS
DIRECTOR

SHANNON CHAMBERS
LABOR COMMISSIONER



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REVISED NOVEMBER 29, 2021

(Originally issued on January 28, 2020)

ADVISORY OPINION - NEVADA ADMINISTRATIVE CODE § 607.650

SENATE BILL 207 - APPRENTICESHIP UTILIZATION ACT (AUA)

Pursuant to Nevada Administrative Code (NAC) Section 607.650, the Labor Commissioner is issuing the following Advisory Opinion regarding Senate Bill (SB) 207/Apprenticeship Utilization Act (AUA). The Labor Commissioner has received multiple inquiries, opinion requests, comments, suggestions, and proposals on how Senate Bill 207 should be interpreted, implemented, and enforced. The Labor Commissioner also met with various stakeholders.

This Advisory Opinion is intended to provide as much guidance as possible on Senate Bill 207. However, it must be recognized that not every working environment or situation may be encompassed by the answers and guidance set forth in this Advisory Opinion. The Labor Commissioner will continue to work with stakeholders, public/awarding bodies, contractors/subcontractors, and employers and employees on Senate Bill 207. However, the Labor Commissioner will attempt to interpret, implement, and enforce Senate Bill 207 based on the plain language of the bill and the intent of the Legislative Sponsors of the bill to ensure that apprenticeship utilization takes place on public works projects in the State of Nevada.

KEY HIGHLIGHTS OF SENATE BILL (SB 207) – EFFECTIVE JANUARY 1, 2020

The Legislature hereby finds and declares that: 1. A skilled workforce in construction is essential to the economic well-being of this 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.

Sec. 1.7. 1. Notwithstanding any other provision of this chapter and except as otherwise provided in this section, a contractor or subcontractor engaged in vertical construction who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 10 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

2. Notwithstanding any other provision of this chapter and except as otherwise provided in this section, a contractor or subcontractor engaged in horizontal construction who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 3 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

<https://www.leg.state.nv.us/App/NELIS/REL/80th2019/Bill/6351/Text>

DEFINITIONS FOR PUBLIC BODY AND PUBLIC WORK AND AWARDING BODY NEVADA REVISED STATUTES (NRS) SECTIONS 338.010(17)(18) AND NEVADA ADMINISTRATIVE CODE (NAC) SECTION 338

17. “Public body” means the State, county, city, town, school district or any public agency of this State or its political subdivisions sponsoring or financing a public work.

18. “Public work” means any project for the new construction, repair or reconstruction of a project financed in whole or in part from public money for:

- (a) Public buildings;
- (b) Jails and prisons;
- (c) Public roads;
- (d) Public highways;
- (e) Public streets and alleys;
- (f) Public utilities;
- (g) Publicly owned water mains and sewers;
- (h) Public parks and playgrounds;
- (i) Public convention facilities which are financed at least in part with public money; and
- (j) All other publicly owned works and property.

NAC 338.0054 “Awarding body” defined. ([NRS 338.012](#)) “Awarding body” means a public body, as that term is defined in [NRS 338.010](#), or any authorized agent or representative of a public body.

DEFINITIONS FOR HORIZONTAL AND VERTICAL CONSTRUCTION NRS 338.010(13)(24) – SENTATE BILL 141 (2021)

Horizontal Construction NRS 330.010 - Subdivision 13. “Horizontal construction” means any construction, alteration, repair, renovation, demolition or remodeling necessary to complete a public work, including , without limitation, any irrigation, drainage, water supply, flood control, harbor, railroad, highway, tunnel, airport or airway, sewer, sewage disposal plant or water treatment facility and any ancillary vertical components thereof, bridge, inland waterway, pipeline for the transmission of petroleum or any other liquid or gaseous substance, pier, and any other work incidental thereto. The term does not include vertical construction, the construction of any terminal or other building of an airport or airway, or the construction of any other building.

Vertical Construction NRS 338.010 - Subdivision 24. “Vertical construction” means any construction, alteration, repair, renovation, demolition or remodeling necessary to complete a public work for any building, structure or other improvement that is predominantly vertical, including, without limitation, a building, structure or improvement for the support, shelter and enclosure of persons, animals, chattels or movable property of any kind, and any other work or improvement appurtenant thereto.

WHAT IS COMPLEX AND/OR HAZARDOUS?

Tasks routinely and customarily performed by an apprentice in an apprenticed craft or type of work, unless specifically prohibited by the applicable Apprenticeship Program or Apprenticeship Standards, are not considered to be either uniquely hazardous or complex tasks for the purpose of enforcement of the provisions of Senate Bill 207 and any regulations adopted pursuant thereto.

SENATE BILL 207 ONLY APPLIES TO PUBLIC WORKS PROJECTS OF \$100,000 OR MORE.

Assembly Bill 136 passed during the 2019 Nevada Legislative Session changed the public works project amount that triggers prevailing wage laws from \$250,000 to \$100,000. The Sponsor of Senate Bill 207, Senator Brooks, stated that the intent of Senate Bill 207 was to apply to public works projects based on prevailing wage laws and the amount that triggers prevailing wage laws. The Legislature determined that amount to be \$100,000. Therefore, Senate Bill 207 only applies to public works projects of \$100,000 or more.

SENATE BILL 207 DOES NOT APPLY TO DAVIS-BACON OR 100% FEDERALLY FUNDED PROJECTS.

Senate Bill 207 is a state law that applies to state public works projects based on the definition set forth above in NRS Section 338.010 subdivision 17.

Senate Bill 207 does not apply to 100% federally funded projects and/or those projects that fall exclusively under the federal Davis-Bacon Act requirements for compliance and/or enforcement.

For projects that have a mix of state and federal funding, the public/awarding body should include the provisions of Senate Bill 207 as part of their bid documents and apply Senate Bill 207 on those projects.

The public/awarding body can work with their federal funding agencies and seek a determination from them as to whether Senate Bill 207 should apply based on the funding structure of the project. The Labor Commissioner will consider this information in determining whether Senate Bill 207 applies on those types of projects.

THE LABOR COMMISSIONER DOES NOT HAVE JURISDICTION OVER AND WILL NOT ENFORCE “ON-THE-JOB TRAINING”/OJT REQUIREMENTS IF THE AUA APPLIES.

Assembly Bill 459 passed during the 81st Regular Session of the Nevada Legislature (2021) moved the jurisdiction of the Nevada State Apprenticeship Council back to the Office of the Labor Commissioner and designated the Office of the Labor Commissioner as the recognized State Apprenticeship Agency.

Projects that require compliance with the AUA and fall under the jurisdiction and enforcement of the Labor Commissioner will be required to meet the requirements of the AUA. The Labor Commissioner will not apply and/or enforce additional “on-the-job”/OJT requirements and public/awarding bodies should not enforce additional OJT requirements if state law, the AUA applies.

Pursuant to Nevada Revised Statutes (NRS) sections 610.020 and 610.144, and Nevada Administrative Code (NAC) section 610.540, state registered apprenticeship programs must already comply with the following requirements related to equal opportunity, affirmative action, selection methods, and a nondiscriminatory pool for application as an apprentice.

NRS 610.020 Purposes. The purposes of this chapter are:

1. To open to people, without regard to race, color, creed, sex, sexual orientation, gender identity or expression, religion, disability, genetic information, national origin or age of 40 years or older, the opportunity to obtain training that will equip them for profitable employment and citizenship.
2. To establish, as a means to this end, an organized program for the voluntary training of persons under approved standards for apprenticeship, providing facilities for their training and guidance in the arts and crafts of industry and trade, with instruction in related and supplementary education.
3. To promote opportunities for employment for all persons, without regard to race, color, creed, sex, sexual orientation, gender identity or expression, religion, disability, genetic information, national origin or age of 40 years or older, under conditions providing adequate training and reasonable earnings.
4. To regulate the supply of skilled workers in relation to the demand for skilled workers.
5. To establish standards for the training of apprentices in approved programs.
6. To establish a State Apprenticeship Council.
7. To provide for a State Apprenticeship Director with the authority to carry out the purposes of this chapter.
8. To provide for reports to the Legislature and to the public regarding the status of the training of apprentices in the State.
9. To accomplish related ends.

NRS 610.144 Requirements for program to be eligible for registration and approval by State Apprenticeship Council.

1. Be an organized, written plan embodying the terms and conditions of employment, training and supervision of one or more apprentices in an occupation in which a person may be apprenticed and be subscribed to by a sponsor who has undertaken to carry out the program.
2. Contain the pledge of equal opportunity prescribed in 29 C.F.R. § 30.3(c) and, when applicable:
 - (a) A plan of affirmative action in accordance with 29 C.F.R. § 30.4;
 - (b) A method of selection authorized in 29 C.F.R. § 30.10;
 - (c) A nondiscriminatory pool for application as an apprentice; or
 - (d) Similar requirements expressed in a state plan for equal opportunity in employment in apprenticeships adopted pursuant to 29 C.F.R. Part 30 and approved by the United States Department of Labor.

NAC 610.540 Standards: Pledge of equal opportunity. ([NRS 610.090](#), [610.144](#)) Each sponsor shall include in its standards a pledge of equal opportunity which is worded substantially as follows:

The recruitment, selection, employment and training of apprentices during apprenticeship will be without discrimination because of race, color, religion, sex, sexual orientation, age, disability or national origin. The sponsor will take affirmative action to provide equal opportunity in apprenticeship and will operate the program of apprenticeship as required under Title 29 of the Code of Federal Regulations, Part 30, and all regulations on equal opportunity of employment in the State of Nevada.

[Apprenticeship Council, Equal Employment Opportunity, § 4 subsec. (b), eff. 9-11-76] (NAC A by R082-04, 7-13-2004)

THE LABOR COMMISSIONER TYPICALLY DOES NOT HAVE JURISDICTION OVER THE BIDDING PROCESS.

NRS section 338.013 requires an identifying number from the Labor Commissioner. Please see below.

NRS 338.013 Inclusion of identifying number from Labor Commissioner in advertisement or solicitation and bids and other responsive documents; reports by public bodies and contractors to Labor Commissioner.

1. A public body that undertakes a public work shall request from the Labor Commissioner and include in any advertisement or other type of solicitation, an identifying number with a designation of the work. That number must be included in any bid or other document submitted in response to the advertisement or other type of solicitation.
2. Each public body which awards a contract for any public work shall report its award to the Labor Commissioner within 10 days after the award, giving the name and address of the contractor to whom the public body awarded the contract and the identifying number for the public work.
3. Each contractor engaged on a public work shall report to the Labor Commissioner and the public body that awarded the contract the name and address of each subcontractor whom the contractor engages for work on the project within 10 days after the subcontractor commences work on the contract and the identifying number for the public work.
4. The public body which awarded the contract shall report the completion of all work performed under the contract to the Labor Commissioner before the final payment of money due the contractor by the public body.

The bidding requirements and provisions set forth in NRS 338.1373 et seq. fall under the jurisdiction of the public/awarding bodies, with limited exceptions where the Labor Commissioner can get involved in the bidding and award of contracts if potential violations of prevailing wage and public works laws may be occurring.

Therefore, each public/awarding body is encouraged to work with their respective attorneys/counsel to develop forms and a process to implement Senate Bill 207. Examples and guidance have been provided on how to include the requirements of Senate Bill 207 in bid documents and in determining what is a responsive bid. The Labor Commissioner will not take over or assume any of the bidding and award duties of the public/awarding body as required by existing laws and regulations.

DEFINITION OF APPRENTICE NAC 338.

NAC 338.0052 “Apprentice” defined. ([NRS 338.012](#)) “Apprentice” means a person employed and individually registered in a bona fide apprenticeship program with:

1. The Bureau of Apprenticeship and Training of the Office of Apprenticeship, Training, Employer and Labor Services of the Employment and Training Administration of the United States Department of Labor or its successor; and
2. The State Apprenticeship Council pursuant to [chapter 610](#) of NRS and any regulations adopted pursuant thereto.

THERE ARE NO REGISTERED APPRENTICESHIP PROGRAMS IN MY JURISDICTION.

A Request for Waiver may be submitted by the public/awarding body. Please follow the link to the Advisory Opinion on “Jurisdiction(s)” for purposes of Senate Bill 207.

http://labor.nv.gov/uploadedFiles/labornvgov/content/Apprenticeship_Utilization_Act/AO-2019-03%20AUA%20Jurisdiction%20definition.pdf

DOES THE AWARDING BODY STILL NEED TO REQUEST A WAIVER IF THERE IS NO REGISTERED APPRENTICESHIP PROGRAM IN THE JURISDICTION?

Yes, a Request for Waiver still needs to be submitted.

However, the Labor Commissioner will not require a Request for Waiver for the Truck Driver Job Classification in the State of Nevada because there currently are no Registered Apprenticeship Programs for Truck Drivers in the State of Nevada, and because of the volume of waivers that could be generated simply for the Truck Driver Job Classification.

HOW MANY APPRENTICESHIP PROGRAMS DO I HAVE TO REQUEST APPRENTICES FROM?

A contractor/subcontractor that has more than three workers employed on a public work within the same apprenticed craft or type of work needs to request apprentices from every Registered Apprenticeship Program for that craft or type of work performed in their jurisdiction. This could include requesting apprentices from both a Union Apprenticeship Program and a Non-Union Apprenticeship Program. (See above for Advisory Opinion on “Jurisdiction(s)” for purposes of Senate Bill 207)

For example, the Laborers Job Classification and Job Description may also include Brick and Hod Plaster Carriers, Flaggers, Cement Masons, Fence Erectors, Asbestos Abatement, and Landscaping. Similarly, the Carpenters Job Classification and Job Description may also include different types of work performed. The Labor Commissioner will likely view each different Job Description within the broader Job Classification as separate crafts or types of work for purposes of SB207.

The contractor/subcontractor should identify the craft or type of work to be performed and determine how that work is bid and assigned according to area practice and within that jurisdiction. The Labor Commissioner does not have jurisdiction over jurisdictional disputes involving collective bargaining agreements where contractors/subcontractors and/or the Unions are claiming a type of work that has been assigned according to area practice and is set forth in the collective bargaining agreements.

Please also see the sample Project Workforce Checklist on the link below.

http://labor.nv.gov/Apprenticeship_Utilization_Act/Apprenticeship_Utilization_Act/

WHAT HAPPENS IF THE DISPATCHED APPRENTICE DOES NOT SHOW UP OR THERE ARE OTHER ISSUES WITH THE APPRENTICE?

The contractor/subcontractor should contact the Registered Apprenticeship Program and notify them that the apprentice did not show up. The contractor/subcontractor should also document the incident and notify the prime contractor and/or public/awarding body of the situation.

Apprenticeship questions, issues and/or complaints regarding Registered Apprenticeship Programs and the verification and/or qualifications and/or work of an Apprentice that is dispatched should be directed to the Registered Apprenticeship Program first. Additional information can be found at https://labor.nv.gov/Wages/Nevada_State_Apprenticeship_Council/.

WHAT HAPPENS IF THE CONTRACTOR/SUBCONTRACTOR IS ONLY GOING TO HAVE MORE THAN 3 WORKERS PER CRAFT OR TYPE OF WORK TO BE PERFORMED FOR ONE DAY OR A LIMITED PERIOD OF TIME?

The Labor Commissioner cannot possibly address every individual situation that could arise on a public works jobsite. If a contractor/subcontractor is required or finds the need to bring on additional workers that triggers the requirements of Senate Bill 207, the contractor/subcontractor should make every effort to bring on an apprentice to comply with the requirements of Senate Bill 207.

The Labor Commissioner also recognizes that there may be situations where the contractor/subcontractor only has more than 3 workers within a specific apprenticed craft or type of work for a day or for a limited period where it may not be reasonable and/or practical to request and/or obtain apprentice(s). The contractor/subcontractor should document the reason for the increase in workers and why it was necessary, and work with the prime contractor and/or public/awarding body to determine if the increase in workers will be temporary or a long-term situation.

The contractor/subcontractor should then determine if the contractor/subcontractor needs to request apprentices or if the public/awarding body should seek a Request for Waiver from the Labor Commissioner. In situations like this, the Labor Commissioner may look at the project as a whole and will review the actions of the contractor/subcontractor and public/awarding body to determine if their actions were reasonable and not an attempt to circumvent the requirements of Senate Bill 207.

In addition, in cases of emergencies, the law provides an exemption to prevailing wage requirements, and therefore the requirements of Senate Bill 207. (See also NRS sections 338.011 and 338.090.)

HOW WILL SENATE BILL 207 BE ENFORCED?

The plain language of Senate Bill 207 provides that it will be enforced contractor by contractor, subcontractor by subcontractor, and project by project. Therefore, the general/prime contractor cannot satisfy the 10% or 3% requirement on the project for all their subcontractors. If a subcontractor has more than 3 workers for an apprenticed craft or a type of work performed, they will need to comply with the

requirements of Senate Bill 207 separately. Similarly, a general/prime contractor that has more than 3 workers within an apprenticed craft or type of work performed will need to comply with the requirements of Senate Bill 207 separately.

So, for example, if you have 4 Electricians who each work a 40-hour week, $40 \times 4 = 160$, and that was the total hours they worked on the entire project. Because there were more than 3 workers per craft or type of work performed that would trigger the requirements of Senate Bill 207. Depending upon whether it was Vertical Construction = 10% or Horizontal Construction = 3% of the total hours of the project for that craft or type of work performed would have to be hours worked by an Apprentice based on the 160 total project hours.

It is important to look at and recognize the craft or the type of work performed. For example, the Flagger Job Classification is listed as separate, but the assignment of this work typically falls under the Laborers through collective bargaining agreements and area practice. However, a Flagger performs a distinct type of work from a general Laborer. So, if there are more than 3 Flaggers on a public works jobsite, there will need to be an apprentice on the jobsite for that craft or type of work performed, or a waiver obtained. Senate Bill 207 specifically specifies “craft” or “type of work performed.” Prevailing wage laws require that workers are paid based on the type of work the worker actually performs. Senate Bill 207 reinforces this requirement by requiring apprentices specifically for the craft or type of work performed.

The Laborer and Operator Job Classifications contain Groups. The Groups will not be considered separately but will be counted together towards the more than 3 workers threshold. As stated above, exceptions to this could be Laborers if they are performing a separate and distinct type of work, such as a Flagger. If there is an Operator Group 1 worker, an Operator Group 2 worker, an Operator Group 4 worker, and an Operator Group 5 worker, they will all be counted together as 4 Operators, thereby triggering the requirements of Senate Bill 207.

There may be situations where the Labor Commissioner may need to look at and/or review the project on a broader basis or as a “whole” to determine compliance with Senate Bill 207. While the law does not necessarily provide any “carve outs” to not enforce the law contractor by contractor, subcontractor by subcontractor, or project by project, the Labor Commissioner will review compliance with Senate Bill 207 and compliance with prevailing wage laws based on the facts and evidence presented and the actions of the contractors, subcontractors, and public/awarding bodies.

WHAT HAPPENS IF THE PUBLIC/AWARDING BODY AND/OR LABOR COMMISSIONER FIND I COMMITTED A VIOLATION?

The law provides for notice, due process, and an opportunity to be heard. NAC sections 338.105 through 338.116 set forth the provisions governing the investigation, determination, objection, and hearing process. NRS section 338.015 also provides for notice and an opportunity for a hearing before an administrative penalty may be imposed. The Labor Commissioner does have the authority to impose administrative penalties of up to \$5,000 per violation against contractors, subcontractors, and public/awarding bodies.

Contractors, subcontractors, and public/awarding bodies should comply with the certified payroll reporting and review requirements set forth in NRS and NAC section 338 to monitor and review compliance with Senate Bill 207 and prevailing wage laws.

In the event a claim/complaint is filed with the Labor Commissioner it will follow the process set forth in NAC sections 338.106 through 338.116 and/or NRS section 338.015, and any other applicable laws and regulations.

Failure to maintain proper documentation and/or submit required reports, such as certified payroll reports, could result in potential violations and disqualification.

Intentional and/or purposeful actions that demonstrate an intent to circumvent the requirements of Senate Bill 207 and prevailing wage laws may result in administrative penalties and disqualification.

CONCLUSION

In this Advisory Opinion, the Labor Commissioner has attempted to provide guidance on the interpretation and implementation of Senate Bill 207. The Labor Commissioner will defer to the legislative intent, plain language, legislative testimony, and intent of Senate Bill 207 should additional questions arise.

The Labor Commissioner has made every effort to address the questions, concerns, and issues raised relating to Senate Bill 207. To the extent that a question, concern, or issue is not addressed in this Advisory Opinion, it is recommended that you contact the Office of the Labor Commissioner and submit your question(s) in writing to AUA@labor.nv.gov or contact our office at the phone numbers and address locations listed on the first page of this Advisory Opinion.

Please be advised that the Labor Commissioner may revisit the interpretation and implementation of Senate Bill 207 as needed through an additional Advisory Opinion or through the Administrative Rulemaking process.

Sample Forms and information on SB 207 can be found at:
http://labor.nv.gov/Apprenticeship_Utilization_Act/Apprenticeship_Utilization_Act/

Sincerely,



Shannon M. Chambers
Labor Commissioner
Office of the Labor Commissioner
State of Nevada
Department of Business and Industry

STEVE SISOLAK
Governor

TERRY REYNOLDS
Director

SHANNON M. CHAMBERS
Labor Commissioner

STATE OF NEVADA



OFFICE OF THE LABOR COMMISSIONER
1818 COLLEGE PARKWAY, SUITE 102
CARSON CITY, NEVADA 89706
PHONE (775) 684-1890
FAX (775) 687-6409

OFFICE OF THE LABOR COMMISSIONER
3300 W. SAHARA AVE. SUITE 225
LAS VEGAS, NEVADA 89102
PHONE (702) 486-2650
FAX (702) 486-2660

Department of Business & Industry

OFFICE OF THE LABOR COMMISSIONER

<http://www.labor.nv.gov>

Senate Bill 207 – Apprenticeship Utilization Act becomes effective January 1, 2020

<https://www.leg.state.nv.us/App/NELIS/REL/80th2019/Bill/6351/Text>

APPRENTICE VERIFICATION PROCESS

When a Contractor and/or Subcontractor first lists an Apprentice on a Certified Payroll Report (CPR) they must submit with that CPR documentation to substantiate that the Apprentice is registered with the Bureau of Apprenticeship and Training of the Office of Apprenticeship, Training, Employer and Labor Services of the Employment and Training Administration of the United States Department of Labor or its successor **and** the State Apprenticeship Council. (Emphasis added). A properly enrolled and registered Apprentice is exempt from NRS 338.020 to NRS 338.090, inclusive. An Apprentice is paid pursuant to terms of the Apprenticeship Agreement/Standards for the type of work covered by the Apprenticeship Agreement/Standards as approved by the State Apprenticeship Council and/or Nevada Revised Statutes (NRS) section 610 or Nevada Administrative Code (NAC) section 610. (See NRS 338.080)

ELECTRONIC REPORTING/VERIFICATION OF APPRENTICES FOR CERTIFIED PAYROLL REPORTS AND SENATE BILL 207

Contractor and/or Subcontractors utilizing electronic Certified Payroll Reporting software, such as LCP Tracker or other software, should upload the documentation substantiating that the Apprentice is registered with the Bureau of Apprenticeship and Training of the Office of Apprenticeship, Training, Employer and Labor Services of the Employment and Training Administration of the United States Department of Labor or its successor **and** the State Apprenticeship Council. The Contractor and/or Subcontractor should upload any Apprentice Forms verifying the Apprentice's registration and any expiration parameters that need to be applied for the Apprentice in the Certified Payroll Reporting software.

The Awarding/Public Bodies should verify and review /certify that the Apprentice is registered and that the supporting documents were electronically uploaded before a Contractor and/or Subcontractor can certify them on the first Certified Payroll Report. The Awarding/Public Bodies and/or other entities as necessary, will validate the Apprentice information as the database Administrator for that project or multiple projects. This will allow the database Administrator, typically, the Awarding/Public Bodies, to verify and accept the Apprentice Forms for the Apprentice/Worker in question, regardless of the number of projects the Apprentice/Employee may be assigned to within the database.

****Contractors and/or Subcontractors and/or Awarding/Public Bodies will not need to obtain an Apprentice Verification Form because, the Apprentice Forms will be loaded into the database by the Contractor and/or Subcontractor along with any expiration parameters. This information will then be reviewed and verified by the Awarding/Public Bodies and/or other entities as necessary.**

This Apprentice approval process ensures an Apprentice is: 1.) Registered with the Bureau of Apprenticeship and Training of the Office of Apprenticeship, Training, Employer and Labor Services of the Employment and Training Administration of the United States Department of Labor or its successor **and** the State Apprenticeship Council; and 2.) Assists with validating Apprentice %'s for purposes of Senate Bill 207.

Compliance with Senate Bill 207 (Passed during 2019 Legislative Session.) The Awarding/Public Bodies and Contractors or Subcontractors must ensure the reporting of Apprentices complies with Senate Bill 207, unless a Waiver has been granted by the Labor Commissioner. Apprentices shall be used and reported for at least 10 % of the total hours on vertical construction and 3 % of the total hours for horizontal construction of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work when more than three employees of each a craft are employed at the site of work.

Apprenticeship Ratio: Be sure to review the apprenticeship standards to see if they provide for a ratio of apprentices to journeymen. If the ratio is not complied with the apprentice is to be paid at full journeyman rate for the type of work performed. (See NAC 338.0095). Awarding/Public Bodies may contact the Governor's Office of Workforce Innovation to verify the proper apprenticeship ratio because, they have jurisdiction over the Nevada State Apprenticeship Council and apprenticeship standards/agreements and the registration of apprentices.

STEVE SISOLAK
Governor

TERRY REYNOLDS
Director

SHANNON M. CHAMBERS
Labor Commissioner

STATE OF NEVADA



OFFICE OF THE LABOR COMMISSIONER
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Department of Business & Industry

OFFICE OF THE LABOR COMMISSIONER

<http://www.labor.nv.gov>

**SUPPLEMENTAL GUIDANCE
APPRENTICESHIP UTILIZATION ACT
MARCH 5, 2021**

**WHAT DOES MORE THAN 3 WORKERS EMPLOYED FOR EACH
APPRENTICED CRAFT OR TYPE OF WORK PERFORMED MEAN?**

For a public works project over \$100,000, the Apprenticeship Utilization Act – Nevada Revised Statutes (NRS) section 338.01165, would be triggered when there were more than 3 workers employed for each apprenticed craft or type of work to be performed on the public works project. NRS section 338.01165 does not specify or clarify if the more than 3 is for the entire public works project, or more than 3 for a specific day(s), week(s), and/or another period. NRS section 338.01165 does however clarify that for Horizontal Construction, if there are more than 3 workers employed for each apprenticed craft or type of work performed, then 3% of the total hours for that apprenticed craft or type of work performed must be worked by an apprentice. For Vertical Construction, it is 10% of the total hours for that apprenticed craft or type of work performed that must be worked by an apprentice.

The Office of the Labor Commissioner/Labor Commissioner (OLC/LC) has interpreted the plain language of NRS section 338.01165 in connection with the legislative history and intent to mean that there must be more than 3 employees/workers employed on the public works project/work site at any one time and/or the same time for each apprenticed craft or type of work performed to trigger the requirements of NRS section 338.01165. In other words, there must be a “crew” of more than 3 employees/workers for each apprenticed craft or type of work performed on the public works project/work site at the same time for the requirements of NRS section 338.01165 to apply. This could include a crew of more than 3 employee/workers of an apprenticed craft or type of work performed present at the same time on the project/work site for only 1 full day of work. The OLC/LC would also look to the potential rotation of crews to avoid the requirements of NRS section 338.01165.

CITY OF SPARKS

Project Workforce Checklist

For Compliance with the Nevada Apprenticeship Utilization Act, 2019

Project: _____ Contractor: _____

Craft/Type of Work	More than 3 Employees Anticipated?	Anticipate Needing Waiver?†
Air Balance Technician	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Alarm Installer	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Boilermaker	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Bricklayer , can also include tile setter, terrazzo workers and marble masons.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Carpenter , can also include cement masons, floor coverer, millwright and piledriver (non-equipment), plasterers and terrazzo workers.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Cement Mason	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Electrician , includes communication technician, line, neon sign and wireman. Can also include alarm installer.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Elevator Constructor	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Fence Erector	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Flag Person	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Floor Coverer	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Glazier (see also Painters and Allied Trades)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Highway Striper	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Hod Carrier , includes brick-mason tender and plaster tender.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Iron Worker , can also include fence erectors (steel/iron)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Laborer , can also include fence erector (non-steel/iron), flag person, highway striper and traffic barrier erector	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Lubrication and Service Engineer	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Mason , can also cement, plasterer, tile setter, terrazzo workers and marble masons	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Mechanical Insulator	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Millwright	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Operating Engineer , can also include equipment greaser, piledriver, soils and material tester, steel fabricator/erector (equipment) and surveyor (non-licensed) and well driller.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Painters and Allied Trades , can also include glaziers, floor coverers, and tapers.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pile Driver (non-equipment)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>

Craft/Type of Work	More than 3 Employees Anticipated?	Anticipate Needing Waiver?‡
Plasterer	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Plumber/Pipefitter	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Refrigeration	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Roofer (not sheet metal)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Sheet Metal Worker, can also include air balance technician.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Soils and Materials Tester, includes certified soil tester	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Sprinkler Fitter	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Surveyor (non-licensed)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Taper	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Tile/Terrazzo Worker/Marble Mason	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Traffic Barrier Erector	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Truck Driver	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Well Driller (see also Operating Engineer)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other*:	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<p>‡Pursuant to the Labor Commissioner’s Nov. 27, 2019 Advisory Opinion, waivers are not required in those crafts/types of work where no recognized apprenticeship program exists in the region where the public work is located. Contractor is responsible for verifying whether recognized apprenticeship programs exist in the region for each craft/type of work to be performed.</p>		
<p>*Contractor is responsible for ensuring all crafts/types of work to be performed on the public work are accounted for in this checklist. Attach additional pages if needed.</p>		

I affirm I am fully authorized to acknowledge, on behalf of the Contractor listed above, the anticipated workforce, and acknowledge that changes to the anticipated workforce which may have an impact on compliance with the Nevada Apprenticeship Utilization Act, 2019 will require the submittal of a revised form within ten (10) working days of such change.

Signed: _____

Name and Title: _____

Date: _____

Contractor Name: _____

STATE OF NEVADA
Office of the Labor Commissioner

REQUEST FOR APPRENTICE AVAILABILITY ON A PUBLIC WORK

Senate Bill (SB) 207 - Apprenticeship Utilization Act passed during the 2019 Legislative Session adds a section to NRS section 338. 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. <https://www.leg.state.nv.us/App/NELIS/REL/80th2019/Bill/6351/Text>

You may use this form to request an Apprentice or determine availability of an Apprentice from a Registered Apprenticeship Program in the applicable craft or trade in the area of the Public Works Project. For information about Registered Apprenticeship Programs in your area and Registered Apprentices, please visit www.labor.nv.gov or the Nevada State Apprenticeship Council at www.owinn.nv.gov/Apprenticeship/AboutSAC/ *The Governor's Office of Workforce Innovation (OWINN) is responsible for the Nevada State Apprenticeship Council and the approval and registration of Apprenticeship Programs and Apprentices.

Requests for dispatch must be in writing and submitted (and received) at least 5 business days in advance (excluding weekends and holidays) via first class mail, fax or email. Proof of submission (and receipt) will be required. Please refer to Chapter 610 of the Nevada Revised Statutes and Nevada Administrative Code Chapter 610 for the laws and regulations governing Registered Apprenticeship Programs and Registered Apprentices.

Request Submitted to: _____ Date Request Submitted: _____

Name of Registered Apprenticeship Program: _____
Contact Person/Title: _____
Address: _____, _____, NV _____
Tel No.: (____) _____ Fax No.: (____) _____ Email: _____

Requestor Information:
Contractor/Subcontractor: _____ License Number: _____
Contact Person/Title: _____
Address: _____, _____, _____
Tel No.: (____) _____ Fax No.: (____) _____ Email: _____

Availability Request Information:
Number of Apprentice(s) Required: ____ Craft or Trade: _____
Apprentice(s) Report Date: _____ (5 business days' notice required) Report Time: __: __ __.
Name of Person to Report to: _____
Address to Report to: _____, _____, NV _____

Project Information:
Contract Name/Number: _____ Project Location: _____
Awarding Body Name: _____
Contact Person/Title: _____
Tel No.: (____) _____ Fax No.: (____) _____ Email: _____

 Print Name/Title _____ *Signature ____/____/____ Date

*By signing this form you certify that the information you have provided is true and correct to the best of your knowledge.

Request Approved: Request Denied:

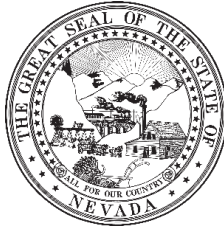
Notes: _____

 Print Name/Title _____ Signature ____/____/____ Date
 Date Received: _____ Date Returned: _____

**Governor's Office of Workforce
Innovation (OWINN)**

Main Phone # 702-486-8080

When completed, email to:
NVApprenticeship@gov.nv.gov



**REQUEST FOR NEVADA
REGISTERED APPRENTICE
VERIFICATION**

Name of requesting contractor/awarding body/organization:	
Name and title of person requesting this verification:	
Contact phone # of person requesting this verification:	
Email address of person requesting this verification:	
Date this request was submitted to OWINN:	
Additional information regarding current Public Works projects for requester: (for example, project owner(s), PWP/contract #(s), project name(s), etc.)	

*APPRENTICE NAME (First, Last)	RAPIDS ID #	OCCUPATION	APPRENTICESHIP PROGRAM (for example, Local 12)
Additional information regarding apprentice(s): (for example, apprentice status, wage %, etc.)			

*Apprentices only need to be verified once per year/per contractor, and once approved, can be used for multiple Public Works.

Note: The Requesting Contractor/Awarding Body/Organization certifies and assures the information above is true and correct. It also acknowledges that Journeymen wages must be paid for time worked during canceled or suspended time periods or when required ratios are not met. Furthermore, the OWINN office will not process this Apprentice Verification request unless this form is signed, and ALL FIELDS are completed.

Signed: _____ **Date:** _____

Name/Title: _____

FOR OWINN USE ONLY

Date Received: _____

Occupation	Initial Ratio		Ratio Thereafter	
	Apprentice(s)	per Journeymen	Apprentice(s)	per Journeymen
	_____ / _____		_____ / _____	
	_____ / _____		_____ / _____	

OWINN Verified by: _____ Date: _____

STATE OF NEVADA
Office of the Labor Commissioner

APPRENTICESHIP UTILIZATION ACT WAIVER REQUEST

Senate Bill (SB) 207 - Apprenticeship Utilization Act passed during the 2019 Legislative Session adds a section to NRS section 338. 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. <https://www.leg.state.nv.us/App/NELIS/REL/80th2019/Bill/6351/Text>

A Public Body, upon the request of a contractor or subcontractor, may submit a request for a modification or waiver of the percentage of hours of labor of one or more apprentices prior to (1) the bid advertisement; (2) the bid opening; or (3) the award of the contract if, "Good Cause" exists. The Labor Commissioner may also grant a waiver from the requirements of SB 207 after work on the public work has commenced if the public body, contractor or subcontractor submits documentation and evidence that meets the requirements to establish "Good Cause."

Public Works Project (PWP) # _____
Awarding Body Name: _____
Contact Person/Title: _____
Address: _____, NV _____
Phone: (____) _____ **Fax:** (____) _____ **E-Mail:** _____

Contractor/Subcontractor: _____ **License Number:** _____
Contact Person/Title: _____
Address: _____, _____
Phone: (____) _____ **Fax:** (____) _____ **E-Mail:** _____

Please check the box for the reason for a Waiver Request and provide/submit supporting documentation/evidence:

Yes No
 There are no Apprentices available from an Apprenticeship Program Registered by the Nevada State Apprenticeship Council within the jurisdiction where the public work is to be completed.

Yes No
 The contractor or subcontractor is required to perform uniquely complex or hazardous tasks on the public work that require the skill and expertise of a greater percentage Apprentice or Journeyworkers.

Yes No
 The contractor or subcontractor has requested Apprentices from a Registered Apprenticeship Program and the request has been denied or the request has not been approved within 5 business days.

Please attach additional documentation/evidence supporting the Waiver Request or describe why an Apprentice is not available or cannot be provided:

Contractor/Subcontractor Name Date Waiver Request Submitted to Awarding Body *Signature

Awarding Body Printed Name/Title *Signature Date

***By signing this form, you certify that the information you have provided is true and correct to the best of your knowledge.**

For Office of the Labor Commissioner's Use Only:

Waiver Request Approved: Waiver Request Denied:

Notes: _____

Printed Name/Title Signature Date

Date Received: _____ **Date Returned:** _____

Forms

(to be used following award of bid)

- 1) Contract Form**
- 2) Performance Bond**
- 3) Payment Bond**



TITLE
BID # BIDNUMBER
PWP# PWPNUMBER

THIS CONTRACT made and entered into on this DAY day of MONTH, YEAR by and between the City of Sparks, Nevada, a municipal corporation, existing under and by virtue of the laws of the State of Nevada, hereinafter called "City", and **CONTRACTORNAME**, a qualified Contractor in the class of work required, hereinafter called "Contractor".

W I T N E S E T H

WHEREAS, the City has awarded a contract to Contractor for providing material and/or performing the work hereinafter mentioned in accordance with the proposal of said Contractor;

WHEREAS, the Contractor will provide the material and/or perform the work for the compensation stated in said proposal, an amount which has been arrived at between the parties;

WHEREAS, each party is willing to and does assume joint liability for the contents of this Contract, and each party accordingly agrees that it shall not be construed against any party as a drafting party;

NOW, THEREFORE, IT IS AGREED as follows:

1. Scope of Work:

The scope of work for this contract is generally defined as **TITLE**. The City's Contract Documents and Contractor's Entire Proposal are on file with the City of Sparks. All terms, conditions and requirements contained within these Documents, including any and all bid documents, addenda and specifications issued by the City, are hereby incorporated by reference into this Contract.

The Contractor shall perform within the time stipulated, the Contract as herein defined and shall provide and furnish any and all of the labor, materials, methods or processes, equipment implements, tools, machinery and equipment, and all utility, transportation and other services required to construct, install and put in complete order for use in a good and workmanlike manner all of the work covered by the Contract in connection with strict accordance with the plans and specifications therein, which were approved by said City and are on file with the City, including any and all addenda issued by the City, and with the other contract documents hereinafter enumerated.

2. Payment for Project Services

As full consideration for the Services to be performed by Contractor, City agrees to pay Contractor as set forth in accordance with the bid and not to exceed fee of **\$AMOUNT** for the project.

A monthly progress payment in the amount of ninety-five percent (95%) of the value of the work completed may be made every thirty (30) days upon application by the Contractor and certification by the Project Manager that such work has been completed.

Partial payments will be made once each month as the work satisfactorily progresses and after acceptance



by the authorized City representative. The progress estimates shall be based upon materials in place, or on the job site and invoiced, and labor expended thereon. From the total of the amount ascertained will be deducted an amount equivalent to five percent (5%) of the whole, which five percent (5%) will be retained by the City until after completion of the entire Contract in an acceptable manner. Any time after fifty percent (50%) of the value of the work has been completed, the City will make any of the remaining partial payments in full.

No such estimates or payments shall be required to be made, when, in the judgment of the City Project Manager, the work is not proceeding in accordance with the provision of the Contract, or when in his judgment the total value of the work done since last estimate amounts to less than Five Hundred Dollars (\$500.00).

The cost of materials conforming to the plans and specifications (materials being those which are required to be contained and incorporated in a finished contract bid item) delivered to the project and not at the time incorporated in the work, may also be included in the estimate for payment. No such estimate or payment shall be construed to be an acceptance of any defective work or improper material. The Contractor shall be responsible for, and shall not remove from the project any material that has been included in the estimate for payment.

Final payment shall be made upon the Project Manager certifying that the Contractor has satisfactorily completed the work in conformity with the Contract Documents.

3. Time for Completion:

The Contractor shall deliver the material and/or services called for in the specifications/proposal and within the delivery time specified and in accordance with the terms of the contract. Work shall be completed within _____ days from the Notice to Proceed issued by the City of Sparks Purchasing Division. The Contractor shall not alter or vary any terms or conditions contained or incorporated herein, including but not limited to, the quantity, price, delivery date or date designated as After Receipt of Order (ARO) or date for commencement or completion of services as mutually agreed upon, unless such alteration or variation is consented to in writing by a duly authorized representative of the City.

The City reserves the right to cancel resultant Contract upon ten days written notice in the event the type and quality of the product or work performance is unsatisfactory or in default, subject to Contractor's right to cure as outlined in termination clause.

This is a non-exclusive Contract and the City reserves the right to acquire the material and/or services at its discretion, from other sources during the term of this Contract.

4. No Unlawful Discrimination:

In connection with the performance of work under this contract, the contractor agrees not to discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, sexual orientation, gender identity or expression, or age, including, without limitation, with regard to employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including, without



limitation, apprenticeship. The contractor further agrees to insert this provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

Any violation of these provisions by Contractor shall constitute a material breach of contract. In all cases where persons are employed in the construction of public works, preference must be given when the qualifications of the applicants are equal:

- A) First: To honorably discharged soldiers, sailors and marines of the United States who are citizens of the State of Nevada.
- B) Second: To other citizens of the State of Nevada

If the provisions of this section are not complied with by the contractor engaged on the public work, the contract is void, and any failure or refusal to comply with any of the provisions of this section renders any such contract void and subject to the exceptions contained in this section, no money may be paid out of the State Treasury or out of the treasury of any political subdivision of the State to any person employed on any work mentioned in this section unless there has been compliance with the provisions of this section. Any contractor engaged on a public work or any other person who violates any of the provisions of this section is guilty of a misdemeanor. The penalties provided for in this section do not apply where violations thereof are due to misrepresentations made by the employee or employees.

5. No Illegal Harassment:

Violation of the City's harassment policy, which is incorporated by reference and available from the Human Resource Division, by the Contractor, its officers, employees, agents, vendors, consultants, subcontractors and anyone from whom it is legally liable, while performing or failing to perform Contractor's duties under this Contract shall be considered a material breach of contract.

6. 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.

7. Preferences (This Section IS IS NOT Applicable to this contract):

To the extent Contractor has sought and qualified for a bidding preference and this project has a value of over \$250,000 pursuant to Nevada Revised Statutes Chapter 338, Contractor acknowledges and agrees that the following requirements will be adhered to, documented and attained for the duration of the Project:

- 1. At least 50 percent of the workers employed on the Project (including subcontractors) hold a valid driver's license or identification card issued by the Nevada Department of Motor Vehicles;
- 2. All vehicles used primarily for the public work will be (a) registered and (where applicable) partially apportioned to Nevada; or (b) registered in Nevada; and
- 3. The Contractor shall maintain and make available for inspection within Nevada all payroll records related to the Project.

Contractor recognizes and accepts that failure to comply with any requirements herein shall be a



material breach of the contract and entitle the City of Sparks to liquidated damages in the amount set by statute. In addition, the Contractor recognizes and accepts that failure to comply with any requirements herein may lose its certification for a preference in bidding and/or its ability to bid on any contracts for public works pursuant to NRS Chapter 338.

To the extent Contractor has sought and qualified for a bidding preference and this project has a value of over \$250,000 pursuant to Nevada Revised Statutes Chapter 338, each contract between the contractor, applicant or design-build team and a subcontractor must provide for the apportionment of liquidated damages assessed pursuant to this section if a person other than the Contractor was responsible for the breach of a contract for a public work caused by a failure to comply with a requirement of Items 1-5 within this section. The apportionment of liquidated damages must be in proportion to the responsibility of each party for the breach.

8. Prevailing Wages:

The Contractor and subcontractors shall be bound by and comply with all federal, state and local laws with regard to minimum wages, overtime work, hiring and discrimination, including Chapter 338 of the NRS, which is entitled, "Public Works Projects."

The Contractor shall ensure that all employees on the work site are paid in accordance with the CURRENT PREVAILING WAGE RATES AS APPROVED BY THE STATE LABOR COMMISSIONER, whenever the actual value of the Contract totals One Hundred Thousand Dollars (\$100,000) or more, or when required by the Supplementary Conditions. If a Change Order causes a Contract to exceed One Hundred Thousand Dollars (\$100,000), the State Labor Commissioner may audit the entire Contract period.

Questions involving the Prevailing Wage Rates for the City of Sparks should be referred to the Labor Commissioner, State of Nevada, at (775) 687-4850.

When federal money is associated with the project making the Contract subject to both state and federal wage rates, the Contractor shall not pay less than the higher rate when the two rates differ for similar kinds of labor.

- A. Posting of Minimum Wage Rates - In accordance with NRS, Chapter 338, Section 338.020, the Contractor shall post the hourly and daily rate of wages to be paid to each of the classes of mechanics and workers on the site of Work of this Contract in a place generally visible to the workers.
- B. Pursuant to NRS 338.060 and 338.070, the Contractor hereby agrees to forfeit, as a penalty to the City of Sparks, not less than Twenty Dollars (\$20) nor more than Fifty Dollars (\$50) for each calendar day or portion thereof that each worker employed on the Contract is paid less than the designated rate for any work done under the Contract, by the Contractor or any subcontractor under him, or is not reported to the City of Sparks as required by NRS 338.070.
- C. The contractor and each subcontractor shall keep or cause to be kept an accurate record showing, for each worker employed by the contractor or subcontractor:
 - (1) The name of the worker;



-
- (2) The occupation of the worker;
 - (3) If the worker has a driver's license or identification card, an indication of the state or other jurisdiction that issued the license or card; and
 - (4) The actual per diem, wages and benefits paid to the worker.

In addition, the contractor and each subcontractor shall keep or cause to be kept an accurate record showing, for each worker employed by the contractor or subcontractor who has a driver's license or identification card:

- (1) The name of the worker;
- (2) The driver's license number or identification card number of the worker; and
- (3) The state or other jurisdiction that issued the license or card.

D. The records in Section C above must be open at all reasonable hours to the inspection of the City of Sparks, and its officers and agents. A copy of the each record for each calendar Month for the General Contractor and all Sub-Contractors must be submitted to the City of Sparks no later than 15 days after the end of each month for the previous months' wages.

9. Apprenticeship Utilization Act:

Senate Bill 207 (Apprenticeship Utilization Act) 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.

A contractor or subcontractor engaged in **horizontal construction** who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 3 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

“Horizontal Construction” means any construction, alteration, repair, renovation, demolition or remodeling necessary to complete a public work, including, without limitation, any irrigation, drainage, water supply, flood control, harbor, railroad, highway, tunnel, airport or airway, sewer, sewage disposal plant or water treatment facility and any ancillary vertical components thereof, bridge, inland waterway, pipeline for the transmission of petroleum or any other liquid or gaseous substance, pier, and any other work incidental thereto. The term does not include vertical construction, the construction of any terminal or other building of an airport or airway, or the construction of any other building.

A contractor or subcontractor engaged in **vertical construction** who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 10 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.



“Vertical Construction” means any construction, alteration, repair, renovation, demolition or remodeling necessary to complete a public work for any building, structure or other improvement that is predominantly vertical, including, without limitation, a building, structure or improvement for the support, shelter and enclosure of persons, animals, chattels or movable property of any kind, and any other work or improvement appurtenant thereto.

A Public Body/Awarding Body, upon the request of a contractor or subcontractor, **MAY** submit a request for a modification or waiver of the percentage of hours of labor of one or more apprentices prior to (1) the bid advertisement; (2) the bid opening; or (3) the award of the contract if, “Good Cause” exists. The Labor Commissioner may also grant a modification or waiver from the requirements of NRS 338.01165 after work on the public work has commenced.

10. Acceptance by the City:

It is expressly understood and agreed that all materials provided and/or work done by the Contractor shall be subject to inspection and acceptance by the City at its discretion, and that any progress inspections and approval by the City of any item or work shall not forfeit the right of the City to require the correction of faulty workmanship or material at any time during the course of the work, although previously approved by oversight. Nothing herein contained shall relieve the Contractor of the responsibility for proper construction and maintenance of the work, materials and equipment required under the terms of this Contract until all work has been completed and accepted by the City.

11. Waiver:

No waiver of any term, provision or condition of this Contract, whether by conduct or otherwise, in any one or more instances, shall be deemed to be nor shall it be construed as a further or continuing waiver of any such term, provision or condition of this Contract. No waiver shall be effective unless it is in writing and signed by the party making it.

12. Notices:

All notices required to be given in writing by this Contract shall be deemed to be received (i) upon delivery if personally delivered, or (ii) when receipt is signed for if mailed by certified or registered mail, postage prepaid, or by express delivery service or courier, when addressed as follows (or sent to such other address as a Party may specify in a notice to the others):

PURCHASING MANAGER
CITY OF SPARKS
431 PRATER WAY
PO BOX 857
SPARKS, NV 89432-0857

CONTRACTOR:
CONTACT
CONTRACTORNAME
ADDRESS
CITY, STATE ZIP
e-mail:

13. Arbitration:

Any and all disputes, controversies or claims arising under or in connection with this Contract, including without limitation, fraud in the inducement of this Contract, or the general validity or enforceability of this Contract, shall be governed by the laws of the State of Nevada without giving effect to conflicts of law principles, may be submitted to binding arbitration before one arbitrator, and shall be conducted in



accordance with the Commercial Arbitration Rules of the American Arbitration Association in a private manner in Washoe County, Nevada. This award shall be final and judgment may be entered upon it in any court having jurisdiction thereof. In reaching this final award, the arbitrator shall have no authority to change or modify any provision of this Contract. All other expenses of arbitration shall be borne equally by the parties. All fees, including legal fees, shall be borne by the party who incurred them. All costs of enforcement shall be borne by the losing party. Each party shall have the right to discovery in accordance with the Nevada Rules of Civil Procedure.

14. Jurisdiction and Venue:

In the event the arbitration award is challenged, any action or proceeding seeking to do so must be brought in the courts of the State of Nevada, County of Washoe, or if the party can acquire subject-matter jurisdiction, in the United States District Court for the District of Nevada in the City of Reno. Each of the parties consents to the personal jurisdiction of such courts (and of the appropriate appellate courts) in any such action or proceeding and waives any objection to venue laid therein. Process in any action or proceeding referred to in the preceding sentence may be served on either party by sending it certified mail to the respective addresses designated for notice.

15. Indemnification:

To the fullest extent permitted by law, upon award, Contractor shall hold harmless, indemnify, defend and protect City, its affiliates, officers, agents, employees, volunteers, successors and assigns ("Indemnified Parties"), and each of them from and against any and all claims, demands, causes of action, damages, costs, expenses, actual attorney's fees, losses or liabilities, in law or in equity, of every kind and nature whatsoever ("Claims") arising out of or related to any act or omission of Contractor, its employees, agents, representatives, or Subcontractors in any way related to the performance of work under this Agreement by Contractor, or to work performed by others under the direction or supervision of Contractor, including but not limited to:

1. Personal injury, including but not limited to bodily injury, emotional injury, sickness or disease, or death to persons;
2. Damage to property of anyone, including loss of use thereof;
3. Penalties from violation of any law or regulation caused by Contractor's action or inaction;
4. Failure of Contractor to comply with the Insurance requirements established under this Agreement;
5. Any violation by Contractor of any law or regulation in any way related to the occupational safety and health of employees.

In determining the nature of the claim against City, the incident underlying the claim shall determine the nature of the claim, notwithstanding the form of the allegations against City.

If City's personnel are involved in defending such actions, Contractor shall reimburse City for the time and costs spent by such personnel at the rate charged City for such services by private professionals.

In cases of professional service agreements, requiring professional liability coverage:

If the insurer by which a Consultant is insured against professional liability does not so defend the



City and applicable agents and/or staff, and the Consultant is adjudicated to be liable by a trier of fact, the City shall be entitled to reasonable attorney's fees and costs to be paid to the City by the Consultant in an amount which is proportionate to the liability of the of the Consultant.

Nothing in this contract shall be interpreted to waive nor does the City, by entering into this contract, waive any of the provisions found in Chapter 41 of the Nevada Revised Statutes.

16. Licenses and Permits:

The Contractor shall procure at his own expense all necessary licenses and permits and shall adhere to all the laws, regulations and ordinances applicable to the performance of this Contract.

All Contractors, Sub-Contractors and Suppliers doing business within the City of Sparks are required to obtain a current business license from the City of Sparks prior to commencement of this contract. Per Sparks Municipal Code Section 5.08.020A: "It is unlawful for any person to transact business in the City without first having obtained a license from the City to do so and without complying with all applicable provisions of this title and paying the fee therefore."

17. Insurance:

BIDDERS' ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW. IT IS HIGHLY RECOMMENDED THAT BIDDERS CONFER WITH THEIR RESPECTIVE INSURANCE CARRIERS OR BROKERS TO DETERMINE IN ADVANCE OF BID SUBMISSION THE AVAILABILITY OF INSURANCE CERTIFICATES AND ENDORSEMENTS AS PRESCRIBED AND PROVIDED HEREIN. IF THE APPARENT LOW BIDDER FAILS TO COMPLY STRICTLY WITH THE INSURANCE REQUIREMENTS, THAT BIDDER MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

The City may, unless otherwise required by law, waive or reduce the insurance requirements itemized here, at the discretion of the city's Contracts and Risk Manager.

Should work be required on City premises or within the public right-of-way, upon award of the contract, the bidder shall provide proof of insurance for the types of coverage, limits of insurance and other terms specified herein, prior to initiation of any services under City, Bid, Proposal or Contract. Coverage shall be from a company authorized to transact business in the State of Nevada and the City of Sparks and shall meet the following minimum specifications:

Contractor shall at its own expense carry and maintain at all times the following insurance coverage and limits of insurance no less than the following or the amount customarily carried by Contractor or any of its subcontractors, whichever is greater. Contractor shall also cause each subcontractor employed by Contractor to purchase and maintain insurance of the type specified herein. All insurers must have AM Best rating not less than A-VII, and be acceptable to the City. Contractor shall furnish copies of certificates of insurance evidencing coverage for itself and for each subcontractor. Failure to maintain the required insurance may result in termination of this contract at City's option. If Contractor fails to maintain the insurance as set forth herein, City shall have the right, but not the obligation, to purchase said insurance at Contractor's expense.



Contractor shall provide proof of insurance for the lines of coverage, limits of insurance and other terms specified below prior to initiation of any services. Coverage shall be from a company authorized to transact business in the State of Nevada and the City of Sparks. Contractor and any of its subcontractors shall carry and maintain coverage and limits no less than the following or the amount customarily carried by Contractor or any of its subcontractors, whichever is greater.

Applicable to this Contract	Insurance Type	Minimum Limit	Insurance Certificate	Additional Insured	Waiver of Subrogation
Yes	General Liability/Umbrella (Excess) Liability	\$2,000,000	✓	✓	✓
Yes	Automobile Liability	\$1,000,000	✓	✓	
Yes	Workers' Compensation	Statutory	✓	N/A	✓
Yes	Employer's Liability	\$1,000,000	✓	N/A	
No	Professional Liability	\$1,000,000	✓	N/A	N/A
No	Pollution Legal Liability	\$1,000,000	✓	N/A	N/A

Commercial General Liability

Contractor shall carry and maintain Commercial General Liability (CGL) and, if necessary to meet required limits of insurance, commercial umbrella/excess liability insurance with a total limit of not less than the limits specified herein.

For contracts that are for the construction or improvement of public facilities, the Contractor shall obtain and maintain products and completed operations liability coverage through the statute of repose after completion of the project. Continuing commercial umbrella coverage, if any, shall include liability coverage for damage to the insured's completed work equivalent to that provided under ISO form CG 00 01.

There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from pollution, explosion, collapse, underground property damage, or damage to the named insured's work unless Subcontractor carries and maintains separate policies providing such coverage and provides Contractor evidence of insurance confirming the coverage.

Minimum Limits of Insurance

- \$2,000,000** Each Occurrence Limit for bodily injury and property damage
- \$2,000,000** General Aggregate Limit
- \$2,000,000** Products and Completed Operations Aggregate Limit
- \$10,000** Medical Expense Limit

If Commercial General Liability Insurance or other form with a general aggregate limit is used, it shall be revised to apply separately to this PROJECT or LOCATION.



Coverage Form

Coverage shall be at least as broad as the unmodified Insurance Services Office (ISO) Commercial General Liability (CGL) "Occurrence" form CG 00 01 04/13 or substitute form providing equivalent coverage and shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

Additional Insured

City, its officers, agents, employees, and volunteers are to be included as insureds using the applicable ISO additional insured endorsement(s) or substitute forms providing equivalent coverage, in respects to damages and defense arising from: activities performed by or on behalf of Contractor, including the insured's general supervision of Contractor; products and completed operations of Contractor; premises owned, occupied, or used by Contractor. The coverage shall contain no special limitations on the scope of protection afforded to City, its officers, employees, or volunteers. Additional insured status for City shall apply until the expiration of time within which a claimant can bring suit per applicable state law.

Primary and Non-Contributory

Contractor's insurance coverage shall apply as primary insurance with respect to any other insurance or self-insurance programs afforded to City, its officers, agents, employees, and volunteers. There shall be no endorsement or modification of the CGL to make it excess over other available insurance; alternatively, if the CGL states that it is excess or pro rata, the policy shall be endorsed to be primary with respect to the additional insured. Any insurance or self-insurance maintained by City, its officers, employees, or volunteers shall be excess of Contractor's insurance and shall not contribute with it in any way.

Waiver of Subrogation

Contractor waives all rights against City and its agents, officers, directors and employees 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. Insurer shall endorse CGL policy as required to waive subrogation against the City with respect to any loss paid under the policy.

Endorsements

Policy forms or endorsements are required confirming coverage for all required additional insureds. The forms or endorsements for CGL shall be at least as broad as the unmodified ISO additional insured endorsement CGO 20 10 07/04 and CG 20 37 07/04 or substitute forms providing additional insured coverage for products and completed operations.

A waiver of subrogation in favor of City shall be endorsed to the policy using an unmodified Waiver of Transfer of Rights of Recovery of Others to Us ISO CG 24 04 05 09, or a substitute form providing equivalent coverage.

Electronic Data Liability

If any underground work will be performed, Contractor shall maintain electronic data liability insurance applicable to the Project and insuring against liability arising out of the loss of, loss of use of, damage to,



corruption of, inability to access, or inability to manipulate electronic data. This coverage shall be maintained with a limit of liability of not less than \$1,000,000 and provide coverage at least as broad as electronic data liability coverage form CG 04 37 (or substitute form providing equivalent coverage).

Railroad Protective Liability

For any construction or demolition work within fifty (50) feet of a railroad, Contractor shall maintain Railroad Protective Liability insurance on behalf of and in the name of the railroad, as named insured, with a limit of \$6,000,000 per occurrence or higher limit if required by the railroad. Contractor shall also ensure that any exclusions pertaining to the indemnification of a railroad are removed from its CGL policy or that ISO form CG 24 17 (Contractual Liability-Railroads Endorsements) is included in the coverage.

Business Automobile Liability

Minimum Limits of Insurance

\$1,000,000 Combined Single Limit per accident for bodily injury and property damage or the limit customarily carried by Contractor, whichever is greater. No aggregate limit may apply. Coverage may be combined with Excess/Umbrella Liability coverage to meet the required limit.

Coverage Form

Coverage shall be at least as broad as the unmodified Insurance Services Office (ISO) Business Automobile Coverage form CA 00 01 10/13, CA 00 25 10/13, CA 00 20 10/13 or substitute form providing equivalent coverage. Such insurance shall cover liability arising out of any auto (including owned, hired, and non-owned autos).

Pollution liability coverage at least as broad as that provided under the ISO pollution liability—broadened coverage for covered autos endorsement (CA 99 48) shall be provided, and the Motor Carrier Act endorsement (MCS 90) shall be attached for all contracts involving transportation of “hazardous material” as this term is defined by applicable law, including, but not limited to, waste, asbestos, fungi, bacteria and mold.

Additional Insured

City, its officers, agents, employees, and volunteers are to be included as insureds with respect to damages and defense arising from the ownership, maintenance or use of automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to City, its officers, employees, or volunteers. Additional insured status for City shall apply until the expiration of time within which a claimant can bring suit per applicable state law.

Endorsements

A policy endorsement is required listing all required additional insureds. The endorsement for Business Automobile Liability shall be at least as broad as the unmodified ISO CA 20 48 10/13 or a substitute form confirming City’s insured status for Liability Coverage under the Who Is An Insured Provision contained in Section II of the coverage form ISO CA 00 01 10/13.

Waiver of Subrogation.

Contractor waives all rights against City, its officers, agents, employees, and volunteers 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. Contractor's insurer shall endorse policy to waive subrogation against City with respect to any loss paid under the policy.

Workers' Compensation and Employer's Liability

Contractor shall carry and maintain workers' compensation and employer's liability insurance meeting the statutory requirements of the State of Nevada, including but not limited to NRS 616B.627 and NRS 617.210 or provide proof that compliance with the provisions of Nevada Revised Statutes Chapters 616A-D and all other related chapters is not required. It is understood and agreed that there shall be no coverage provided for Contractor or any Subcontractor of the Contractor by the City. Contractor agrees, as a precondition to the performance of any work under this Agreement and as a precondition to any obligation of the City to make any payment under this Agreement to provide City with a certificate issued by an insurer in accordance with NRS 616B.627 and with a certificate of an insurer showing coverage pursuant to NRS 617.210.

It is further understood and agreed by and between City and Contractor that Contractor shall procure, pay for and maintain the above-mentioned coverage at Contractor's sole cost and expense.

Should Contractor be self-funded for workers' compensation and employer's liability insurance, Contractor shall so notify City in writing prior to the signing of this Contract. City reserves the right to approve said retentions, and may request additional documentation, financial or otherwise, for review prior to the signing of this Contract.

Upon completion of the project, Contractor shall, if requested by City, provide a Final Certificate for itself and each Subcontractor showing that Contractor and each Subcontractor had maintained the required Workers Compensation and Employer's Liability by paying all premiums due throughout the entire course of the project.

Nevada law allows the following to reject workers' compensation coverage if they do not use employees or subcontractors in the performance of work under the contract:

- Sole proprietors (NRS 616B.627 and NRS 617.210)
- Unpaid officers of quasi-public, private or nonprofit corporations (NRS 616B.624 and NRS 617.207)
- Unpaid managers of limited liability companies (NRS 616B.624 and NRS 617.207)
- An officer or manager of a corporation or limited liability company who owns the corporation or company (NRS 616B.624 and NRS 617.207)

If a contractor has rejected workers' compensation coverage under applicable Nevada law, the contractor must indicate the basis for the rejection of coverage and complete, sign and have notarized an Affidavit of Rejection of Coverage. The Affidavit must be completed, signed and notarized prior to performance of any work.

Minimum Limits of Insurance

Workers' Compensation: Statutory Limits
Employer's Liability: **\$1,000,000** Bodily Injury by Accident – Each Accident



\$1,000,000 Bodily Injury by Disease – Each Employee
\$1,000,000 Bodily Injury by Disease – Policy Limit

Coverage Form

Coverage shall be at least as broad as the unmodified National Council on Compensation Insurance (NCCI) Workers Compensation and Employer’s Liability coverage form WC 00 00 07/11 or substitute form providing equivalent coverage.

OTHER INSURANCE COVERAGES (IF APPLICABLE)

Professional Liability Insurance (if Applicable) \$1,000,000 each claim limits of liability or whatever limit is customarily carried by the Contractor, whichever is greater, for design, design-build or any type of professional services. If coverage is required on a claims-made or claims-made and reported basis, any applicable retroactive or pending & prior litigation dates must precede the effective date of this contract. Continuous coverage shall be maintained, or an extended reporting period shall be obtained for a period of at least three (3) years following completion of the project.

Contractors Pollution Liability Insurance (If Applicable)- \$1,000,000 per occurrence and \$2,000,000 aggregate or whatever amount is acceptable to the City for any exposure to “hazardous materials” as this term is defined in applicable law, including but not limited to waste, asbestos, fungi, bacterial or mold.

Coverage shall apply to bodily injury; property damage, including loss of use of damaged property or of property that has not been physically injured; cleanup costs; and defense, including costs and expenses incurred in the investigation, defense, or settlement of claims.

City shall be included as an insured under Contractor’s pollution liability insurance.

If coverage is required on a claims-made or claims-made and reported basis, any applicable retroactive or pending & prior litigation dates must precede the effective date of this contract. Continuous coverage shall be maintained, or an extended reporting period shall be obtained for a period of at least three (3) years following completion of the project.

If the scope of services as defined in this contract includes the disposal of any hazardous materials from the job site, Contractor must furnish to City evidence of pollution liability insurance maintained by the disposal site operator for losses arising from the insured facility accepting waste under this contract. Coverage certified to the City under this section must be maintained in minimum amounts of \$1,000,000 per loss, with an annual aggregate of at least \$2,000,000.

Lower tier sub-subcontractors, Truckers, Suppliers: Evidence confirming lower tier subcontractors, truckers and suppliers are maintaining valid insurance prior to beginning work on the project to meet the requirements set forth herein on Subcontractor, including but not limited to all additional insured requirements of Subcontractor.

ALL COVERAGES

Coverage shall not be suspended, voided, canceled, or non-renewed by either CONTRACTOR or by the



insurer, reduced in coverage or in limits except after thirty (30) days' prior written notice has been given to CITY except for ten (10) days' notice for nonpayment of premium.

DEDUCTIBLES AND RETENTIONS

Any deductibles or self-insured retentions that exceed \$100,000.00 per occurrence or claim must be declared to and approved by the City's Contracts and Risk Manager and prior to signing this Contract. City is entitled to request and receive additional documentation, financial or otherwise, prior to giving its approval of the deductibles and self-insured retentions. Any changes to the deductibles or self-insured retentions made during the term of this Contract or during the term of any policy must be approved by City's Contracts and Purchasing Manager prior to the change taking effect. Contractor is responsible for any losses within deductibles or self-insured retentions.

OTHER INSURANCE PROVISIONS

Should City and Contractor agree that higher coverage limits are needed warranting a project policy, project coverage shall be purchased and the premium for limits exceeding the above amount may be borne by City. City retains the option to purchase project insurance through Contractor's insurer or its own source.

Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its officers, agents, employees, or volunteers.

ACCEPTABILITY OF INSURERS

Insurance is to be placed with insurers with a Best's rating of no less than A-VII and acceptable to the City. City, with the approval of the Risk Manager, may accept coverage with carriers having lower Best's ratings upon review of financial information concerning Contractor and insurance carrier. City reserves the right to require that Contractor's insurer be a licensed and admitted insurer in the State of Nevada, or meet any applicable state and federal laws and regulations for non-admitted insurance placement.

VERIFICATION OF COVERAGE

Contractor shall furnish City with certificates of insurance and with original endorsements affecting coverage required by this contract. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

Prior to the start of any Work, Contractor must provide the following documents to City of Sparks, Attention: Purchasing Division, P.O. Box 857, Sparks, NV 89432-0857:

- A. Certificate of Insurance.** Contractor must provide a Certificate of Insurance form to the City of Sparks to evidence the insurance policies and coverage required of Contractor.
- B. Additional Insured Endorsements.** An original Additional Insured Endorsement, signed by an authorized insurance company representative, must be submitted to the City of Sparks, by attachment to the Certificate of Insurance, to evidence the endorsement of the City of Sparks as additional insured.
- C. Policy Cancellation Endorsement.** Except for ten (10) days' notice for non-payment of



premium, each insurance policy shall be endorsed to specify that without thirty (30) days prior written notice to the City of Sparks, the policy shall not be suspended, voided, cancelled or non-renewed, and shall provide that notices required by this paragraph shall be sent by certified mailed to the address specified above. A copy of this signed endorsement must be attached to the Certificate of Insurance. If endorsements are not available, Contractor shall be responsible to provide prior written notice to City as soon as practicable upon receipt of any notice of cancellation, non-renewal, reduction in required limits or other material change in the insurance required under this Agreement.

D. Bonds (as Applicable). Bonds as required and/or defined in the original bid documents.

All certificates and endorsements are to be addressed to the City of Sparks, Purchasing Division and be received and approved by City before work commences. The City reserves the right to require complete certified copies of all required insurance policies at any time.

SUBCONTRACTORS

Contractor shall include all Subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each Subcontractor. All coverages for Subcontractors shall be subject to all the requirements stated herein.

MISCELLANEOUS CONDITIONS

1. Contractor shall be responsible for and remedy all damage or loss to any property, including property of City, caused in whole or in part by Contractor, any Subcontractor, or anyone employed, directed, or supervised by Contractor.
2. Nothing herein contained shall be construed as limiting in any way the extent to which Contractor may be held responsible for payment of damages to persons or property resulting from its operations or the operations of any Subcontractors under it, and such coverage and limits required herein shall not be deemed as a limitation on Contractor's liability under the indemnities granted to City in this contract.
3. In addition to any other remedies City may have if Contractor fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option:
 - a. Purchase such insurance to cover any risk for which City may be liable through the operations of Contractor under this Agreement and deduct or retain the amount of the premiums for such insurance from any sums due under the Agreement;
 - b. Order Contractor to stop work under this Agreement and/or withhold any payments which become due Contractor here under until Contractor demonstrates compliance with the requirements hereof; or,
 - c. Terminate the Agreement.
4. If Contractor's liability policies do not contain the standard ISO separation of insureds condition, or a substantially similar clause, they shall be endorsed to provide cross-liability coverage.

18. Liquidated Damages:

If the Product is not delivered/Project is not completed within the time stipulated in the bid, the



Contractor shall pay to the City of Sparks as fixed, agreed and liquidated damages for delay and not as a penalty (it being impossible to determine the actual damages occasioned by the delay) \$AMT for each _____ day of delay until delivery is completed; the Contractor shall be liable to the City of Sparks for the amount herein. This amount may be deducted from money due or to become due to the Contractor as compensation under this proposal in the event the Contractor fails to meet delivery schedules or product specifications.

19. Material Breach of Contract:

In the event Contractor fails to deliver the product and services as contracted for herein, to the satisfaction of the City of Sparks or otherwise fails to perform any provisions of this Contract, the City, after providing five (5) days written notice and Contractor's failure to cure such breach within the time specified in the notice, may without waiving any other remedy, make good the deficiencies and deduct the actual cost of providing alternative products and/or services from payment due the Contractor. Non-performance after the first notice of non-performance shall be considered a material breach of contract.

20. Force Majeure:

Neither party to the Contract shall be held responsible for delay or default caused by fire, riot, acts of God, and/or war which is beyond that party's reasonable control. City may terminate the Contract upon written notice after determining such delay or default will reasonably prevent successful performance of the Contract.

21. Termination:

The City may terminate the Contract for material breach of contract upon ten (10) days written notice and recover all damages, deducting any amount still due the Contractor from damages owed to the City, or seek other remedy including action against all bonds. The Contractor may terminate the Contract for material breach of contract upon thirty (30) days written notice to the City.

22. Assignment:

All of the terms, conditions and provisions of this Contract, and any amendments thereto, shall inure to the benefit of and be binding upon the parties hereto, and their respective successors and assigns. The Contractor shall not assign this Contract without the written consent of the City which will not be unreasonably withheld.

23. Entire Contract:

This Contract constitutes the entire agreement of the parties and shall supersede all prior offers, negotiations, agreements and contracts whether written or oral. Any modifications to the terms and conditions of this Contract must be in writing and signed by both parties.

24. Severability:

If any part of this Contract is found to be void it will not affect the validity of the remaining terms of this Contract which will remain in full force and effect.

25. Headings:

Paragraph titles or captions contained in this Contract are inserted only as a matter of convenience and for reference only, and in no way define, limit, extend, or describe the scope of this Contract or the intent of any provision herein.



26. Singular Includes the Plural; Gender; Title Reference:

Whenever the singular number is used in this Contract and when required by the context, the same shall include the plural, and the use of any gender, be it masculine, feminine or neuter, shall include all of the genders, and the word "person" or "entity" shall include corporation, firm, partnership, or any other combination or association.

The use of the title "Bidder", "Vendor", "Contractor" or "Consultant" within this contract or associated bid documents shall be deemed interchangeable and shall refer to the person or entity with whom the City of Sparks is contracting for the service or product referenced within this contract.

27. Execution:

The parties agree to execute such additional documents and to take such additional actions as are reasonably necessary or desirable to carry out the purposes hereof. They also agree, acknowledge and represent that all corporate authorizations have been obtained for the execution of this Contract and for the compliance with each and every term hereof. Each undersigned officer, representative or employee represents that he or she has the authority to execute this Contract on behalf of the party for whom he or she is signing.

THIS SPACE INTENTIONALLY LEFT BLANK



IN WITNESS WHEREOF, the City of Sparks has caused this Contract to be executed by its officers thereunto duly authorized and the Consultant has subscribed same, all on the day and year first above written.

(Vendor)

CITY OF SPARKS, NEVADA
A Municipal Corporation

By: _____

By: _____
Ed Lawson, Mayor

(Title)

APPROVED AS TO FORM

ATTEST:

City Attorney

City Clerk

CITY OF SPARKS, NEVADA - BOND OF FAITHFUL PERFORMANCE

Bid #: _____

Bond #: _____

Surety Rating: _____

NV License #: _____

Appt. Agent Countersigning - List below with address

KNOW ALL MEN BY THESE PRESENTS: That WHEREAS, the City of Sparks in the State of Nevada has awarded to **CONTRACTORNAME** hereinafter designated as the "Principal" a contract for Bid # **BIDNUMBER**, PWP # **PWPNUMBER**, for the **TITLE** and

WHEREAS, said Principal is required under the terms of said contract to furnish a bond for the faithful 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;

NOW, THEREFORE, we the Principal and _____ as Surety, are held and firmly bound unto the City of Sparks in the State of Nevada, in the penal sum of **WRITTENAMOUNT** dollars (**\$AMOUNT**), lawful money of the United States, being not less than one hundred percent (100%) of the estimated contract cost of the work, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if the above bound Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and faithfully perform the covenants, conditions and agreements in the said contract and any alterations made as therein provided on his or their part to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the City of Sparks in the State of Nevada, its officers and agents as therein stipulated, then this obligation shall become null and void; otherwise, it shall be and remain in full force and virtue.

As a condition precedent to the satisfactory completion of the said contract, the above obligation shall hold good for a period of one (1) year after the completion and acceptance of the said work, during which time, if the above bounden principal, his or its heirs, executors, administrators, successors or assigns shall fail to make full, complete and satisfactory repair and replacements or totally protect the said City of Sparks in the State of Nevada from loss or damage made evident during said period of one (1) year from the date of acceptance of said works, and resulting from or caused by defective materials or faulty workmanship in the prosecution of the work done, the obligation in the said sum of **WRITTENAMOUNT** dollars (**\$AMOUNT**), shall remain in full force and virtue; otherwise the above obligation shall be void.

And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in anyway effect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the contract, to the work or to the specifications.

IN WITNESS WHEREOF, the above bound parties have executed this instrument under their seals this ____ day of _____, 20__, the name and corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Principal

By _____

Surety
By _____

CITY OF SPARKS, NEVADA – Payment Bond – Labor & Materials

Bid #: _____

Bond #: _____

Surety Rating: _____

NV License #: _____

Appt. Agent Countersigning - List below with address

KNOW ALL MEN BY THESE PRESENTS: That WHEREAS, the City of Sparks in the State of Nevada, has awarded to **CONTRACTORNAME** hereinafter designated as the "Principal" a contract for Bid # **BIDNUMBER**, PWP # **PWPNUMBER**, for the **TITLE** and

WHEREAS, said Principal is required under the terms of said contract to furnish a Bond for the faithful 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;

NOW, THEREFORE, we, the Principal, and _____ as Surety, are held and firmly bound unto the City of Sparks in the State of Nevada, in the penal sum of **WRITTENAMOUNT** dollars (\$**AMOUNT**), lawful money of the United States, being not less than one hundred percent (100%) of the estimated contract cost of the work for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally firmly by these presents.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH that if the above bounden principal, his or its heirs, executors, administrators, successors, or assigns, shall fail to pay for any materials, provisions, provender or other supplies, implements, or machinery used in, upon, for, or about the performance of the work contracted to be done or for any work or labor thereon of any kind, or for amounts due under the Unemployment Compensation Law with respect to such work or labor as required by the provisions of NRS 612, and provided that the claimant shall have complied with the provisions of said law, the Surety hereon will pay for the same within thirty (30) calendar days an amount not exceeding the sum specified in this bond, then the above obligation shall be null and void; otherwise to remain in full force and account. In case suit is brought upon this bond, the said Surety agrees to pay a reasonable attorney's fees to be fixed by the Court.

The Bond shall insure to the benefit of any and all persons, companies and corporations entitled to file claims under NRS 339 as to give a right of action to them or their assigns in any suit brought upon this Bond.

IN WITNESS WHEREOF, the above bound parties have executed this instrument under their seals this ____ day of _____, 20____, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Principal

By _____

Surety

By _____