

PHASE #4
GRADING AND DRAINAGE IMPROVEMENTS
SIERRA INSTITUTE
15690 HIGHWAY 89
CRESCENT MILLS, CA

PREPARED BY
NST ENGINEERING, INC.
1495 RIVERSIDE DRIVE, SUSANVILLE, CALIFORNIA 96130
ENGINEERING / PLANNING / SURVEYING (530) 257-5173

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ADVERTISEMENT TO BID

NOTICE TO CONTRACTORS

SEALED PROPOSALS
SIERRA INSTITUTE
PHASE #4 GRADING / DRAINAGE IMPROVEMENTS
15690 HIGHWAY 89, CRESCENT MILLS, CA

Will be received at Sierra Institute for Community and Environment (“Owner”), 4438 Main Street, P.O. Box 11 Taylorsville, California 95983, until **2:00 p.m. on July 28, 2021**, at which time they will be publicly opened and read in the office at the above address.

General Work Description:

Complete Grading / Drainage Improvements as noted on plans dated June 22, 2021 by NST Engineering, Inc. titled “Phase #4 Grading and Drainage Plan for Sierra Institute.”

Walk through is optional for all prospective bidders. Prebid Conference will be held at **1:30 p.m., July 21, 2020** at Crescent Mills site (15690 Highway 89).

The successful bidder must possess the following proper classification of Contractor’s license: General Engineering license.

This contract is subject to the provisions of Section 22300 of the California Public Contract Code, which provides for the substitution of securities for any monies withheld by a public agency to ensure performance under a contract. The bidder’s attention is directed to said Section 22300 of the Public Contract Code for the specific requirements and provisions for such substitutions of securities if requested by the Contractor. All employees working on the site shall have OSHA Hazwoper Certification.

This contract is subject to State contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990.

Plans and specifications may be obtained at the Office of the Project Engineer, NST Engineering, Inc., 1495 Riverside Drive, Susanville, CA. A copy of the bid documents may be obtained at the Engineer’s Office upon request and payment of \$ 15.00. The amount of the payment is charged at cost and is not refundable.

The Contractor shall also furnish Certificates of Insurance, with Sierra Institute named as an additional insured, in amounts and coverage as specified in the Specifications.

Sierra Institute hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color or national origin in consideration for an award.

Pursuant to Section 1770 and 1771, of the Labor Code, all Contractors and Subcontractors shall pay the General Prevailing Wage Rates on Public Works Contracts.

Pursuant to Section 1773 and 1773.1 of the Labor Code the general prevailing wage rates in the County in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wage rates are on file with the Sierra Institute and may be reviewed during normal working hours.

Sierra Institute reserves the right to reject any or all bids.

SCOPE OF WORK

Refer to plans dated June 22, 2021 by NST Engineering, Inc. titled "Phase #4 Grading and Drainage Plan", consisting of 2 sheets.

SPECIFIC WORK ITEMS REQUESTED FOR THIS BID

Repair any erosion control measures in Storm Water Pollution Prevention Plan (SWPPP) that have been damaged since placement last year(2020). Please refer to SWPPP prepared by SWPP Solutions dated April 26, 2019 for specifications on erosion control plan.

PHASE 4-1 Provide clearing and grubbing for all work areas of the site. Includes removal and capping of abandoned 8-inch steel pipe crossing southern borrow pit and relocating wood chip stockpiles as needed to a location on-site as directed by Owner.

PHASE 4-2 Remove concrete from Fill Areas 1 and 2 ($\pm 15,600$ sf) as shown on plans. Remove from site and replace with equal volume crushed concrete aggregate (2-inch minus) or equivalent aggregate fill.

PHASE 4-3 Excavate soil from existing borrow pits ($\pm 5,500$ cy in place), and place over Fill Areas 1, 2 and 3 as shown on the plans. Grade and compact to 90%. Place top lift (6-inch compacted) crushed concrete aggregate from site stockpile or import on Fill Areas 1B, 2B and 3 as shown on plans. Stockpile any unused borrow soil on site as shown on plans.

PHASE 4-4 Install new drainage swales and spillways between borrow pits and existing infiltration pond as shown on plans.

ALTERNATE #1 Remove asphalt pavement from AC Replacement area shown on plans. Process and place as graded aggregate subgrade. Re-pave areas shown on plans; 5-inches AC and 12-inches aggregate subgrade with positive drainage to swales and borrow pits.

Also provide Total and Unit cost for ± 350 cy imported Class 2 Aggregate to be placed as fill as needed to complete project.

Owner may select overall low bidder for Phase 4 including Bid Alternate #1 or separate bids for Phase 4 and Bid Alternate #1.

Time of Completion and Liquidated Damages

The Contractor shall begin work with ten (10) calendar days after the date specified on the "Notice to Proceed", and shall diligently prosecute the same to completion before the expiration of 60 calendar days before or the date that the "Notice to Proceed" is received by the Contractor. The owner requests that Fill Area 3 be completed by August 16, 2021.

In the event Contractor does not complete the work within the 60 calendar days as herein provided, for reasons or causes other than those provided for in the contract documents hereof, Owner will be damaged. After considering such a breach and all aspects of the work including, but not limited to, the type of installation, the current and future uses of facilities and premises, the disarrangement of the premises and facilities thereof during the work, and additional cost and difficulty of using the disarranged facilities during the work, the parties agree that a reasonable daily damage for such a short breach, if any, will be two hundred dollars (\$200.00) per calendar day and the payment of the same, if any, is payment of liquidating damages and not a penalty. It is understood that this agreement for liquidated damages is entered into because the amount is manifestly reasonable under the circumstances existing at the time of this agreement, and it would be extremely difficult or impossible to determine with any degree of accuracy the actual damages in case of any such breach. In case of such breach, it is agreed that the Owner may deduct the amount of thereof from any money due or to become due said Contractor under this contract.

BID

ADDRESS TO: Sierra Institute
Grading and Drainage Improvements
15690 Highway 89
Crescent Mills, CA 95934

The undersigned declares that they have carefully examined the location of the proposed work; that they have examined the Contract Documents entitled: Phase #4 Grading and Drainage Improvements Sierra Institute 15690 Highway 89 Crescent Mills, CA;

and that they have read all the accompanying Scope of Work "Instructions to Bidders";

and that they hereby propose to begin work and complete the project as follows:

Work must be completed in 60 calendar days from the date the Contractor receives Notice to Proceed and approved contract;

and that they hereby proposes to furnish all labor, materials tools, and equipment, and to perform all the work required, complete in place, in accordance with the Contract Documents, and that they will take in full payment therefore the following prices, to wit:

The undersigned hereby acknowledges the receipt of addenda nos.

By: _____

Signed _____

Date: _____

Title _____

Contractor's License No. _____

Bid Item	Description of Items	Price
4-1	Provide cleaning and grubbing for all work areas of the site. Includes removal and capping of abandoned 8-inch steel pipe crossing southern borrow pit and relocating wood chip stockpiles as needed to a location on-site as directed by Owner.	\$ _____
4-2	Remove concrete from Fill Areas 1 and 2 ($\pm 15,600$ sf) as shown on plans. Remove from site and replace with equal volume crushed concrete aggregate (2-inch minus) or equivalent aggregate fill.	\$ _____
4-3	Excavate soil from existing borrow pits ($\pm 5,500$ cy in place), and place over Fill Areas 1, 2 and 3 as shown on the plans. Grade and compact to 90%. Place top lift (6-inch compacted) crushed concrete aggregate from site stockpile or imported Class 2 Aggregate (see bid item 4-5 below) on Fill Areas 1B, 2B and 3 as shown on plans. Stockpile unused borrow soil on site as shown on plans.	\$ _____
4-4	Install new drainage swales and spillways between borrow pits and existing infiltration pond as shown on plans.	\$ _____
4-5	Import Class 2 Aggregate (± 350 Cubic Yards) Provide total for 350 cy to be used for bid item 4-3 above and unit cost for additional volume as needed to complete project	\$ _____
		\$ _____ /cubic yard

Repair SWPPP and Erosion Control Measures during construction
and post construction. \$ _____

BID ALTERNATE # 1

Remove asphalt pavement from AC Replacement area shown on plans. Process
and place as graded aggregate subgrade. Re-pave areas shown on plans; 5-
inches AC and 12-inches aggregate subgrade with positive drainage to swales and
borrow pits.

\$ _____

TOTAL BID WITHOUT BID ALTERNATE #1 \$ _____

TOTAL BID WITH BID ALTERNATE #1 \$ _____

Sierra Institute reserves the right to select which items of the project stated above will be
selected and awarded in the contract, while the remaining items will be deleted from the
Scope of Work.

Owner may select overall low bidder for Phase 4 including Bid Alternate #1 or separate
bids for Phase 4 and Bid Alternate #1

Federal Funding Guidelines

Contractor shall pay each laborer, workman or mechanic in accordance with Federal Prevailing Wage Rates and the California Labor Code (excerpts included herein). These wage rates will be made a part of this contract:

State General Prevailing Wage Determinations in effect on date advertised

General prevailing wage determination

Journeyman and Apprentice Prevailing Wage Rates can be accessed at the following websites:

<http://www.dir.ca.gov/dlsr/DPreWageDetermination.html> and
<http://www.dir.ca.gov/das/publicworks.html>

Reference: Labor Code 1773.2

Federal Prevailing Wage Determinations in effect on bid date

General Decision # CA170009 01/27/2017 CA9

General Decision County Index for CA:

<http://www.wdol.gov/wdol/scafiles/davisbacon/ca.html>

Select the county where the work will be performed. Reference: Davis Bacon Act

The Contractor shall at all times be responsible for the adequacy and efficiency of his employees and any subcontractor and the latter's employees. All employees working on site shall have OSHA Hazwoper Certification. All workers shall have adequate skill and experience to perform properly the work assigned to them.

The bidder shall comply with the DBE "good faith effort" requirement for this project by following these basic affirmative steps:

- (1) Place qualified small and minority businesses and women's business enterprises on solicitation lists;
- (2) Assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Divide total requirements, when economically feasible, into small tasks or quantities to permit maximum participation by small and minority business and women's business enterprises;

(4) Establish delivery schedules when the requirements of the work permit, which will encourage participation by small and minority-owned businesses and women-owned business enterprises;

(5) Use the services and assistance of the Small Business Administration and the Minority Business Development Agency Department of Commerce.

Electronic Certified Payroll Records

All contractors must furnish electronic certified payroll records to the Labor Commissioner using the online eCPR data system

No contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The contractor shall post job site notices prescribed by regulation. (See 8 Calif. Code Reg. §16451(d))

TECHNICAL SPECIFICATIONS
FOR
SIERRA INSTITUTE
15690 HIGHWAY 89
CRESCENT MILLS, CA 95934

DIVISION 1 GENERAL REQUIREMENTS

SECTION 1A SPECIAL CONDITIONS

The Sierra Institute General Conditions and the Special Conditions apply to all work and to each Section of these specifications as if repeated in each Section and for each trade or subcontractor.

The Contractor shall comply with all applicable Sections of the following documents:

CBC, California Building Code Appendix Chapter 33, Excavation and Grading.
State of California, Department of Transportation, Standard Specifications,
Latest edition, hereinafter known as "Standard Specifications".
American Society for Testing and Materials (ASTM).
Any state or local laws or regulations.

The Contractor shall comply with the obvious intent and meaning of these plans and specifications, which shall be construed to include all material, measures, and modes of work necessary to complete the work herein specified in a workmanlike manner, in strict accordance with these plans and specifications, and to the satisfaction of the Owner. For any problem questioning ability to warranty - notify Engineer. The Contractor shall be held responsible for and must make good any defect, through faulty, improper, or inferior workmanship or materials, arising or discovered in any part of his work within one (1) year after the completion and acceptance of same. The Owner reserves the right to reject any or all bids without explanation of any kind.

SECTION 1B ORDINANCES AND SUBCONTRACTORS, INSPECTION, PERMITS

The Contractor shall procure and pay all civil inspections, permits and certificates of inspection as required. It shall be the Contractor's responsibility to see that all subcontracted work includes everything called for in the plans and specifications. Each subcontractor will be responsible for conformance of his work with all rules, regulations, ordinances, and codes or regulatory agencies, affecting his work whether or not so shown in the plans and specifications.

SECTION 1C EXAMINATION OF THE SITE

Contractor shall visit the building site and become familiar with existing conditions before submitting proposals. Failure to do so shall not constitute a clause for future complaint or claims for extra fee.

SECTION 1D DRAWINGS AND SPECIFICATIONS

The drawings, which are a part of these specifications, show the general construction of the project. The drawings and specifications are to be considered as cooperative, and any work or materials shown or mentioned in either one shall be executed as if the were shown or mentioned in both.

Figures shall have precedence over scaled measurements, and details over general drawings.

SECTION 1E INTERPRETATION OF PLANS

Neither the Contractor nor his workers, nor any subcontractors or supplier shall make any assumptions as to the intent or meaning of these plans and specifications. The Engineer will make all decisions regarding the intent and meaning of all details of this contract, and the decision will be final. Any information required to fully clarify the intent and meaning of all details shall be requested from the Engineer prior to bidding. After a contract is signed, the Contractor will not be allowed extra costs for any items of work shown on the drawings, and not included in this bid. If clarification by the Engineer of any item of work results in added cost after the award of the contract, the Contractor will not be allowed an extra fee.

It will be the responsibility of the Contractor to record and attach to his bid and the contract his understanding of any and all clarifications received.

SECTION 1F CHANGE ORDERS

Amounts of extras or credits for changed items shall be agreed upon by the Owner and the Contractor and written authorization shall be issued to the Contractor before proceeding with the work. Charges for work done without this authorization will not be accepted.

SECTION 1G CLEANING

The Contractor shall remove all debris from the site and in general keep the work as clear of rubbish as possible.

SECTION 1H RECORD DRAWINGS

The Contractor's responsibility for record drawings shall be as set forth hereinafter:

A. The Contractor shall, during the progress of the work, keep a master set of prints on the job site on which he shall keep a careful and neat record of all deviations from the contract drawings which are made during the course of the work. The record drawings shall indicate, in addition to all changes and corrections, the actual location of all subsurface utility lines. Any shop drawings which constitute part of the design shall be included with the record drawings.

B. Upon completion of the project and before final payment is made, these notated prints shall be certified as to their correctness by the signature of the Contractor and turned over to the Owner.

SECTION 1J SHOP DRAWINGS SUBMITTALS AND TESTING

The Contractor shall submit to the Engineer for approval, 3 copies of all shop drawings as called for under the various headings of these specifications. The drawings shall be complete and detailed; partial submission will not be accepted. One (1) set of all shop drawings will be retained by the Engineer and two sets will be returned to the Contractor. The approval of the drawings by the Engineer shall not be construed as complete check, but will indicate only that the general method of construction and detailing is satisfactory.

QUALITY CONTROL

The respective Sections of these Specifications contain detailed requirements for materials testing and inspections to be performed by an approved testing laboratory.

All costs incurred for testing laboratory services shall be paid for by the Contractor. The Contractor's selection of testing laboratory shall be subject to the Engineer's approval.

The testing laboratory shall report the results of all tests, in writing, one copy to the Engineer and one copy to the Contractor.

SECTION 1K MATERIAL ALTERNATIVES OR SUBSTITUTIONS

A. Approval by Engineer of a substitute proposed by Contractor for a specified method or material shall not relieve Contractor of the responsibility for full compliance with plans and specifications, and for adequacy of the substituted method or material. Contractor shall also be responsible for resultant changes which the substitution requires in his work, the work of his subcontractors and of other contractors and shall effect such changes without cost to Owner.

B. The words "or equal" are to be interpreted as meaning "or equal in like quality and performance of stated product". When a proprietary item is specified, it is to be used as a quality reference only. Contractor can submit other products of comparable quality to Engineer for his/her approval.

SECTION 1L INSPECTION

The Contractor shall permit and facilitate inspection of the work by the Owner and his agents and public authorities at all times. Contractor shall provide continuous supervision of the work.

SUBMITTALS

Submit five copies of all materials within 30 days after award of Contract. Submit all items at one time in a neat and orderly manner. Partial lists will not be acceptable.

Submittals shall include the manufacturer's specifications, and physical dimensions. Where submittal sheet describes items in addition to that item being submitted, the submitted item shall be clearly marked on the sheet and superfluous information shall be crossed out.

The following list give the Contractor the submittal, samples, tests, etc., required during the construction.

	Shop Drawings	Guarantee	Tests	Maintenance & Operating Instruction
Engineering Fill & Backfill			<input type="checkbox"/>	
Material Alternatives or Substitutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 1M TIME EXTENSIONS

Notwithstanding any other provisions of this contract it is mutually understood that the time extensions for changes in the work will depend upon the extent, if any, by which the changes cause delay in the completion of the various elements of construction. The change order granting the time extension may provide that the contract completion date will be extended only for those specific elements so delayed and that the remaining contract completion dates for all other portions of the work will not be altered and may further provide for an equitable readjustment of liquidated damages pursuant to the new completion schedule. Time extensions will be considered only for climatic conditions that are more severe than the average seasonal conditions recorded by local U. S. National Weather Service.

SECTION 1N CONSTRUCTION SCHEDULE AND COST BREAKDOWN

Immediately after execution and delivery of the contract and before the first partial payment is made, the Contractor shall deliver to the Engineer a Construction Progress Schedule in a form satisfactory to the Engineer, showing the proposed dates of commencement and completion of each of the various subdivisions of the work required under the Contract Documents.

The Contractor shall submit a schedule of the anticipated monthly payments that will become due in accordance with the Progress Schedule.

Submit an itemized breakdown of the costs of the various subdivisions of the work for the purpose of evaluating the Work completed for each monthly payment. Each monthly Payment Request shall be submitted in the same form with all data required by the form completed.

The figures used in making up any of these schedules will be used only for determining the basis of partial payments and will not be considered as fixing a basis for additions to or deductions from the Contract Price.

DIVISION 2 SITE WORK

SECTION 2A EXCAVATION, GRADING AND PAVING

SCOPE OF WORK

Do necessary site clearing work and remove debris from site. Refer to Construction Notes on Sheet C1 and C2 of the plans. Backfill and tamp as necessary.

SITE CLEARING

Remove any existing landscaping required for construction as shown on plans. All materials removed during site clearing shall become the Contractor's property and shall be removed from the premises. Work shall be limited to within the property line and the right-of-way of the construction site.

GRADING

Work shall comply to Section 19, "State of California, Department of Transportation "Standard Specifications" (latest edition). Provide import fill as required and grade site for drainage as shown or required. Protect adjacent public and private property from damage.

Where unsuitable material is encountered at the bottom of structure excavations which will not stabilize, under compaction, to a firm, unyielding state, the Contractor shall notify the Soils Engineer who shall assess the situation and make recommendations.

In the event subsurface obstructions not normally expected are encountered, and not shown on the plans, such as foundations, piling, electrical ducts, or piping, the Owner's representative shall be notified at once for instructions before proceeding.

IMPORTED FILL

Imported fill shall be a granular, non-plastic material, 2" maximum grading, with less than 15% passing a No. 200 sieve. Regardless of achieved results, all structural fill shall be firm and stable enough to support construction equipment.

EXCAVATION COMPACTION

For areas beneath pavement, structures or concrete slabs, the subgrade of native soils within excavation shall be scarified to a depth of 6", brought to near optimum moisture and compacted to 90% of ASTM D1557.

FILL COMPACTION

For areas beneath pavement, structures or concrete slabs, fill sections shall be compacted to 90% of ASTM D1557

Each lift shall be 8" maximum and moisture conditioned to near optimum prior to compaction. The final lift shall be graded to within one-tenth of a foot of required grade.

All imported fill in non-structural areas shall be compacted to 90% at 8" lifts unless otherwise stated above.

Testing is required at Owner's expense, for engineered fill and aggregate base rock, and certification given to Engineer. There will be a minimum of three (3) density tests per lift of engineered fill and trench backfill on a daily basis.

ROAD MATERIALS

Base: Class II, 3/4" maximum aggregate, Section 26, "Standard Specifications", 95% compaction per ASTM D1557-70 Moisture Density Standards.

SECTION 2B SITE IMPROVEMENTS

SCOPE OF WORK

Provide and install all site appurtenances shown on the drawings. Refer to Construction Notes on Sheet C1 and C2 of the plans.

SITE UTILITIES

General

All utility work to be done shall be in accordance with all applicable rules and regulations of the following:

Prior to any digging, contact "Underground Alert" at 1-800-227-2600.

Field Verify

Prior to any trenching, the Contractor shall pothole all utility points of connection and verify locations and elevations. If discrepancies are revealed, the Contractor shall notify the Engineer for appropriate action.