

SPECIAL PROVISIONS

FOR

CITY OF SAN LUIS OBISPO

Sinsheimer Irrigation & Stadium Drainage

Specification No. 91658

May 2021



**PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION**

**919 Palm Street
San Luis Obispo, CA 93401
(805) 781-7200**

Sinsheimer Irrigation & Stadium Drainage

Specification No. 91658

Approval Date: May 04, 2021



Hai Nguyen

May xx, 2021



Brian Nelson

May xx, 2021

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NOTICE TO BIDDERS

NOTICE TO BIDDERS BID SUBMISSION

Sealed bids must be **mailed** to the following address:

City of San Luis Obispo
Public Works Administration
Attn: Hai Nguyen
919 Palm Street
San Luis Obispo, CA 93401

Bids delivered in person will not be accepted. Bids may be mailed by postal carriers such as UPS, FedEx, DHL, etc. Regular courier companies not affiliated with the postal system are not acceptable. All mailed bids must be delivered and in possession of the Project Manager by:

2:00 p.m. on June XX, 2021

At which time they will be publicly opened and read aloud via Microsoft Teams video conference and conference call. In-person attendance of the bid opening will not be permitted in adherence to social distancing measures. Use the following link:

https://teams.microsoft.com/join/19%3ameeting_YzVIZDVmNjMtOWFkYi00YzYzLWlyZjktOGVmYjBhNzk4NDNj%40thread.v2/0?context=%7b%22Tid%22%3a%22a78b182d-94e4-4507-a9a9-330dcb148164%22%2c%22Oid%22%3a%22d80dfc48-0d0d-4359-8fc2-da31f041ef9e%22%7d

or join by phone with this number: 1 (209) 645-4165 with Conference ID: 346 023 742#

Submit bid in a sealed envelope plainly marked:

Sinsheimer Irrigation & Stadium Drainage, Specification No. 91658

Any bid received after the time and date specified will not be considered and will be returned to the bidder unopened. Bids received by Fax or Email will not be considered.

By submission of bid you agree to comply with all instruction and requirements in this notice and the contract documents.

All bids must be submitted on the Bid Item List form(s) provided and submitted with all other Bid Forms included in these Special Provisions.

Each bid must be accompanied by either a:

1. certified check
2. cashier's check
3. bidder's bond

NOTICE TO BIDDERS

made payable to the City of San Luis Obispo for an amount equal to ten percent of the bid amount as a guaranty. Guaranty will be forfeited to the City San Luis Obispo if the bidder, to whom the contract is awarded, fails to enter into the contract.

The City of San Luis Obispo reserves the right to accept or reject any or all bids or waive any informality in a bid.

All bids are to be compared based on the City Engineer's estimate of the quantities of work to be done, as shown on the Bid Item List.

Bids will only be accepted from bidders that are licensed in compliance with the provisions of Chapter 9, Division III of Business and Professions Code.

The award of the contract, if awarded, will be to the lowest responsive bid submitted by a responsible contractor whose bid complies with the requirements prescribed. If the contract is awarded, the contract will be awarded within 60 calendar days after the opening of the bids.

Failure to raise defects in the notice to bidders or bid forms prior to bid opening constitute a waiver of those defects.

BID DOCUMENTS

A copy of the plans and special provisions may be downloaded, free of charge, from the City's website at:

www.slocity.org/government/department-directory/public-works/public-works-bids-proposals

No printed copies are available for purchase at the City office.

Standard Specifications and Engineering Standards referenced in the Special Provisions may be downloaded, free of charge, from the City's website at:

www.slocity.org/government/department-directory/public-works/documents-online/construction-documents

You are responsible to obtain all issued addenda prior to bid opening. Addenda will be available to download at the City's website listed above or at the office of the City Engineer.

Contact the project manager, Hai Nguyen at 805-781-7108 or the Public Works Department at (805) 781-7200 prior to bid opening to verify the number of addenda issued.

You are responsible to verify your contact information is correct on the plan holders list located on the City's website at:

NOTICE TO BIDDERS

www.slocity.org/government/departments-directory/public-works/public-works-bids-proposals.

PROJECT INFORMATION

In general, the project consists of the installation of irrigation and drainage within Sinsheimer baseball stadium.

The project estimated construction cost is \$500,000

Contract time is established as 60 working days.

The fixed liquidated damages amount is established at \$500 per day for failure to complete the work within the contract time.

In compliance with section 1773 of the Labor Code, the State of California Department of Industrial Relations has established prevailing hourly wage rates for each type of workman. Current wage rates may be obtained from the Division of Labor at:

<https://www.dir.ca.gov/oprl/DPreWageDetermination.htm>

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

QUALIFICATIONS

You must possess a valid Class A or C27 Contractor's License at the time of the bid opening.

You and any subcontractors required to pay prevailing wage must be registered with the Department of Industrial Relations pursuant to Section 1725.5 of the Labor Code.

You must have experience constructing projects similar to the work specified for this project. Provide three similar reference projects completed as either the prime or subcontractor. All referenced projects must have been completed within the last five years from this project's bid opening date.

One of the three reference projects must have been completed under contract with a city, county, state or federal government agency as the prime contractor.

All of the referenced projects must have included irrigation and drainage work.

Failure to provide reference projects as specified in this section and as required on the qualification form is cause to reject a bid as being non-responsive.

NOTICE TO BIDDERS

The City reserves the right to reject any bid based on non-responsiveness if a bidder fails to provide a bid that complies with all bidding instructions.

The City reserves the right to reject a responsive bid based on the non-responsibility of the bidder if the Director of Public Works or Designee finds, after providing notice and a hearing to the bidder, that the bidder lacks the

1. knowledge
2. experience,
3. or is otherwise not responsible

as defined in Section 3.24 of the San Luis Obispo Municipal Code to complete the project in the best interest of the City.

Rejected bidders may appeal this determination. Appeal must comply with the requirements in this Notice to Bidders.

It is the City of San Luis Obispo's intent to award the contract to the lowest responsive bid submitted by a responsible bidder. If in the bidder's opinion the contract has been or may be improperly awarded, the bidder may protest the contract award.

Protests must be filed no later than five working days after either:

1. bid opening date
2. notification of rejected bid.

Protest must be in writing and received by the project manager located at:
919 Palm Street
San Luis Obispo, CA 93401.

Valid protests must contain the following information:

1. the reasons for the protest
2. any supporting documentation
3. the ruling expected by the City to remedy the protest.

Any protest not containing all required information will be deemed invalid and rejected.

The City will consider additional documentation or other supporting information regarding the protest if submitted in compliance to the specified time limits. Anything submitted after the specified time limit will be rejected and not be considered.

The Director of Public Works or Designee may request additional information to be submitted within three days of the request, unless otherwise specified, and will notify the protester of ruling within ten days of determination.

If the protester is not satisfied with ruling, the protester may appeal the ruling to the City Council in compliance with Chapter 1.20 of the City of San Luis Obispo Municipal Code.

Pursuant to the Public Records Act (Government Code, § 6250, et seq.), the City will make public records available upon request.

NOTICE TO BIDDERS

AWARD

The lowest bidder will be determined using the BID TOTAL.

As a condition to executing a contract with the City, two bonds each equal to one hundred percent of the total contract price are required in compliance with Section 3-1.05 of the Standard Specifications.

You may substitute securities for moneys withheld under the contract in compliance with the provisions of the Public Contract Code, Section 10263.

ACCOMMODATION

If any accommodations are needed to participate in the bid process, please contact Kathryn Stanley at (805) 781-7200 or by Telecommunications Device for the Deaf at (805) 781-7107. Requests should be made as early as possible in the bidding process to allow time for accommodation.

BID FORMS

BID FORMS

All bid forms must be completed and submitted with your bid. Failure to submit these forms and required bid bond is cause to reject the bid as nonresponsive. Staple all bid forms together.

THE UNDERSIGNED, agrees that they have carefully examined:

1. the location of the proposed work
2. the plans and specifications
3. read the accompanying instructions to bidders

and propose to furnish all:

4. materials
5. labor

to complete all the required work satisfactorily in compliance with

6. plans
7. specifications
8. special provisions

for the prices set forth in the bid item list:

BID ITEM LIST FOR SINSHEIMER IRRIGATION & STADIUM DRAINAGE, SPECIFICATION NO. 91658

Item No.	SS ₍₁₎	Item Description	Unit of Measure	Estimated Quantity	Item Price (in figures)	Total (in figures)
1	20	HUNTER ICV CONTROL VALVE	EA	11		
2	20	HUNTER ROTOR MODEL I-40-06-SS-15	EA	57		
3	20	HUNTER ROTOR MODEL I-40-06-SS-08	EA	6		
4	20	QUICK COUPLER	EA	10		
5	20	3.0" FLOW SENSOR (RAINMASTER)	EA	1		
6	20	3.0" MASTER VALVE (SUPERIOR 3300 SERIES)	EA	1		
7	20	2.0" PVC SCHEDULE 40	LF	1,700		
8	20	2.5" PVC SCHEDULE 40	LF	1,000		
9	20	3.0" PVC SCHEDULE 40	LF	1,500		
10	68,77	4" PVC SDR 35 PERFORATED PIPE	LF	7,100		

BID FORMS

Item No.	SS ₍₁₎	Item Description	Unit of Measure	Estimated Quantity	Item Price (in figures)	Total (in figures)
11	68,77	6" PVC SDR 35 PERFORATED PIPE	LF	437		
12	68,77	8" PVC SDR 35 SOLID PIPE	LF	50		
13	77	DRAINAGE CLEANOUT	EA	30		
14	77	DRAINAGE INLET	EA	5		
15*	19	ROCK EXCAVATION	CY	100		
16*	20	IMPORT SOIL	CY	400		
17	19,20	TURF RENOVATION	LS	1	-----	
18	77	ABANDON EXISTING IRRIGATION AND DRAINAGE SYSTEM	LS	1	-----	
19	77	5FT x 10FT CONCRETE PAD	EA	1		
Bid Total (or Base Bid)					\$	
Company Name:						

(1) refers to section in the Standard Specifications, with modifications in the Special Provisions, that describe required work.

* Bid item exempt from Section 9-1.06 of the Standard Specifications. The unit price will not be adjusted regardless of the final bid item quantity.

BID FORMS

LIST OF SUBCONTRACTORS

Pursuant to Section 4100 of the Public Contracts Code and section 2-1.33C of the standard specifications, the Bidder is required to furnish the following information for each Subcontractor performing more than 1/2 percent (0.5%) of the total base bid. Do not list alternative subcontractors for the same work. Subcontracting must not total more than fifty percent (50%) of the submitted bid except as allowed in section 5-1.13 of the standard specifications.

For Streets & Highways projects, subcontractors performing less than ten thousand dollars (\$10,000) worth of work need not be mentioned. **Subcontractors required to pay prevailing wage, must be registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 to be listed.**

NOTE: If there are no subcontractors, write "NONE" and submit with bid.

Name Under Which Subcontractor is Licensed	License Number	DIR Public Works Registration Number	Address and Phone Number of Office, Mill or Shop	Specific Description of Subcontract	% of Total Base Bid
_____	_____	_____	_____	_____	_____
_____			_____	_____	
_____			_____	_____	
_____	_____	_____	_____	_____	_____
_____			_____	_____	
_____			_____	_____	
_____	_____	_____	_____	_____	_____
_____			_____	_____	
_____			_____	_____	
_____	_____	_____	_____	_____	_____
_____			_____	_____	
_____			_____	_____	
_____			_____	_____	

Attach additional sheets as needed.

PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT

In compliance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder, or any subcontractor to be engaged by the bidder, **has _____, has not _____** been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

NOTE: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Bid. Signing this Bid on the signature portion constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE

In compliance with Public Contract Code Section 10162, the Bidder must complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

_____ Yes _____ No

If the answer is yes, attach a letter explaining the circumstances

PUBLIC CONTRACT CODE SECTION 10232 STATEMENT

In compliance with Public Contract Code Section 10232, you hereby state under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against you within the immediately preceding two-year period because of your failure to comply with an order of a federal court which orders you to comply with an order of the National Labor Relations Board.

LABOR CODE SECTION 1725.5 STATEMENTS

The bidder has delinquent liability to an employee or the state for any assessment of back wages or related damages, interest, fines, or penalties pursuant to any final judgment, order, or determination by a court or any federal, state, or local administrative agency, including a confirmed arbitration award. Any judgment, order, or determination that is

BID FORMS

under appeal is excluded, provided that the contractor has secured the payment of any amount eventually found due through a bond or other appropriate means.

_____ Yes

_____ No

The bidder is currently debarred under Section 1777.1 or under any other federal or state law providing for the debarment of contractors from public works.

_____ Yes

_____ No

NOTE: The above Statements and Questionnaire are part of the Bid. Signing this Bid on the signature portion constitute signature of this Statement and Questionnaire. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

BID FORMS

NON-COLLUSION DECLARATION

I, _____, declare that
I am _____ of _____,
the party making the foregoing bid that the bid is not made in the interest of, or on behalf
of, any undisclosed person, partnership, company, association, organization, or
corporation; that the bid is genuine and not collusive or sham; that the bidder has not
directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and
has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or
anyone else to put in a sham bid, or that anyone refrained from bidding; that the bidder has
not in any manner, directly or indirectly, sought by agreement, communication, or
conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any
overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure
any advantage against the public body awarding the contract of anyone interested in the
proposed contract; that all statements contained in the bid are true; and, further, that the
bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof,
or the contents thereof, or divulged information or data relative thereto, or paid, and will not
pay, any fee to any corporation, partnership, company association, organization, bid
depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Executed on _____, 20_____, in _____

I declare under penalty of perjury under the laws of the State of California that the foregoing
is true and correct.

(SEAL)

(Signature and Title of Declarant)

Subscribed and sworn to before me
this _____ day of _____, 20____

Notary Public

Company Name:_____

BID FORMS

BIDDER ACKNOWLEDGEMENTS

By signing below, the bidder acknowledges and confirms that this bid is based on the information contained in all contract documents, including the notice to bidders, plans, specifications, special provisions, and addendum number(s) _____. **(Note: You are responsible to verify the number of addenda prior to the bid opening.)**

The undersigned further agrees that in case of default in executing the required contract, with necessary bonds, within eight days, (not including Saturdays, Sundays, and legal holidays), after having received a mailed notice that the contract is ready for signature, the proceeds of the check or bond accompanying his bid will become the property of the City of San Luis Obispo.

Licensed in accordance with an act providing for the registration of contractors, License No._____, Expiration Date _____.

The above statement is made under penalty of perjury, and any bid not containing this information "will be considered non-responsive and will be rejected" by the City.

Signature of Bidder _____

(Print Name and Title of Bidder)

**DIR- Public Works
Registration No:**

Business Name (DBA):

Owner/Legal Name:

Indicate One: ☐Sole-proprietor ☐ Partnership ☐Corporation

List Partners/Corporate Officers:

Name Title

Name Title

Name Title

Business Address _____

Street Address _____

Mailing Address _____

City, State, Zip Code _____

Phone Number _____

Fax Number _____

Email Address _____

Date _____

BID FORMS

QUALIFICATIONS

Failure to furnish complete reference information **ON THIS FORM**, as specified in this project's Notice to Bidders and indicated below, is cause to reject the bid. Additional information may be attached but is not a substitute for this form.

Reference Number 1

Customer Name & Contact Individual	
Telephone & Email	
Project Name (Site Address):	
Did this project include irrigation and drainage work? Yes <input type="checkbox"/> No <input type="checkbox"/>	Describe the services provided and how this project is similar to that which is being bid: Date project completed:
Was this contract for a public agency? Yes <input type="checkbox"/> No <input type="checkbox"/>	

Reference Number 2

Customer Name & Contact Individual	
Telephone & Email	
Project Name (Site Address):	
Did this project include irrigation and drainage work? Yes <input type="checkbox"/> No <input type="checkbox"/>	Describe the services provided and how this project is similar to that which is being bid: Date project completed:
Was this contract for a public agency? Yes <input type="checkbox"/> No <input type="checkbox"/>	

Reference Number 3

Customer Name & Contact Individual	
Telephone & Email	
Project Name (Site Address):	
Did this project include irrigation and drainage work? Yes <input type="checkbox"/> No <input type="checkbox"/>	Describe the services provided and how this project is similar to that which is being bid: Date project completed:
Was this contract for a public agency? Yes <input type="checkbox"/> No <input type="checkbox"/>	

BID FORMS

ATTACH BIDDER'S BOND TO ACCOMPANY BID

Know all men by these presents:

That we _____, AS PRINCIPAL, and

_____, AS SURETY, are held and firmly bound unto the City of San Luis Obispo in the sum of:

_____ Dollars (_____) to be paid to said City or its certain attorney, its successors and assigns; for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly by these presents:

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the certain bid of the above bounden _____

to construct _____
(insert name of street and limits to be improved or project)

dated _____ is accepted by the City of San Luis Obispo, and if the above

bounden _____, his heirs, executors, administrators, successors, and assigns shall duly enter into and execute a contract for such construction and shall execute and deliver the two bonds described within ten (10) days (not including Saturdays, Sundays, or legal holidays) after the above bounden,

_____, has received notice by and from the said City of San Luis Obispo that said contract is ready for execution, then this obligation shall become null and void; otherwise, it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, we hereunto set our hands and seals this ____ day of _____, 20____.

Bidder Principal:

Signature _____ Date _____
Title: _____

Surety:

Bidder's signature is not required to be notarized. Surety's signature must be notarized.
Equivalent form may be substituted
(Rev. 6-30-14)

SPECIAL PROVISIONS

SPECIAL PROVISIONS

ORGANIZATION

Special provisions are under headings that correspond with the main section heading of the Standard Specifications. Each special provision begins with a revision clause that describes or introduces a revision to the Standard Specifications. Any paragraph added or deleted by a revision clause does not change the paragraph number of the Standard Specifications for any other reference to a paragraph of the Standard Specifications.

DIVISION I GENERAL PROVISIONS

1 GENERAL

Add to Section 1-1.01 GENERAL:

The work must be done in compliance with the City of San Luis Obispo, Department of Public Works:

1. Sinsheimer Irrigation and Stadium Drainage Special Provisions
2. City of San Luis Obispo Standard Specifications and Engineering Standards – 2020 edition
3. State of California, Department of Transportation Standard Specifications and Standard Plans – 2015 edition

In case of conflict between documents, governing ranking must comply with section 5-1.02 of the City of San Luis Obispo's Standard Specifications.

Failure to comply with the provisions of these sections is a material breach of contract:

1. Sections 5 through 8 of the Standard Specifications
2. Section 12 through 15 of the Standard Specifications
3. Section 77-1 of the Standard Specifications
4. Section 81 of the Standard Specifications
5. authorized working hours
6. OSHA compliance

2 BIDDING

Replace Section 2-1.33A BID DOCUMENT COMPLETION AND SUBMITTAL, General with:

Furnish bid using blank forms provided in the Special Provisions. Bid must include all forms and must be signed by the bidder.

3 CONTRACT AWARD AND EXECUTION

Add to Section 3-1.18A CONTRACT EXECUTION, Encroachment Permit:

The contractor must obtain a no-fee encroachment permit from the Public Works Department for this project. All requirements of the encroachment permit shall be applied to the project.

SPECIAL PROVISIONS

4 SCOPE OF WORK

Add to Section 4-1.03 WORK DESCRIPTION:

Comply with the provisions of Sections 19, 20, 68 and 77 for general, material, construction, and payment specifics.

Add Section 4-1.03A WORK DESCRIPTION, Project Specific Signage:

Maintain Revenue Enhancement Funding signage in work area. Return Revenue Enhancement Funding signs at the end of the project or upon the Engineer's request.

6 CONTROL OF MATERIALS

Add to Section 6-2.03 DEPARTMENT ACCEPTANCE:

The Engineer will furnish Sales Tax signs mounted to moveable barricades. Maintain Sales Tax signage in work area. Return Sales Tax signs at the end of the project or upon the Engineer's request.

7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

Add to Section 7-1.03B PUBLIC CONVENIENCE, Traffic Control Plan

Work hours are restricted to 7:00 A.M. to 4:00 P.M. Monday through Friday.

8 PROSECUTION AND PROGRESS

Replace the 1st paragraph in Section 8-1.02A SCHEDULE, General with:

Provide a Level 1 schedule for this work.

DIVISION III EARTHWORK AND LANDSCAPE

19 EARTHWORK

Add to Section 19-1.03E Rock Excavation:

Serpentine exist at the project site. Refer to Appendix C for Geologic Evaluation for Naturally Occurring Asbestos (NOA). Asbestos was not detected in any of the samples analyzed.

20 LANDSCAPE

Add to Section 20-1.02D Organic Soil Amendments:

Soil amendment must be spread throughout the turf renovation area. Re-cultivate to thoroughly mix soil amendment with the soil.

SPECIAL PROVISIONS

Add to Section 20-1.02E Fertilizer:

Fertilizer must be Grow-Power (5-3-1) applied at a rate of 12.5 pounds per 1000 square feet.

Add to Section 20-1.03D Cultivate:

Turf must be cultivated but not removed from the site. Cultivate areas before adding soil amendment and fertilizer.

Add to Section 20-3.01B(2)(e) Hydroseeded Lawn Planting:

The turf grass must be "Perennial Ryegrass" mixture applied at the rate of 10-12 pounds of seed per 1000 square feet.

Add to Section 20-3.02D PAYMENT with:

The lump sum price paid for turf renovation will include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved to complete renovation of the turf at Sinsheimer Baseball Stadium, including but not limited to the following list or as shown on the plans and as specified in these Special Provisions:

- Cultivate turf renovation areas
- Spread soil amendment
- Re-cultivate to mix soil amendment
- Dispose of excess material per specifications
- Smooth soil bringing it to final grade
- Hydroseeded Lawn Planting
- Labor, equipment, materials and all incidentals that are required to complete work as required per project specifications.

DIVISION XIII APPENDICES

Add 100-1.01

1. Appendix A: Form of Agreement
2. Appendix B: Sinsheimer Irrigation and Drainage As-builts
3. Appendix C: Geologic Evaluation for Naturally Occurring Asbestos (NOA)

APPENDIX

APPENDIX A - FORM OF AGREEMENT

THIS AGREEMENT, made on this _____ day of _____, 20____, by and between the City of San Luis Obispo, a municipal corporation and charter city, San Luis Obispo County, California (hereinafter called the Owner) and **COMPANY NAME** (hereinafter called the Contractor).

WITNESSETH:

That the Owner and the Contractor for the consideration stated herein agree as follows:

ARTICLE 1, SCOPE OF WORK: The Contractor shall perform everything required to be performed, shall provide and furnish all of the labor, materials, necessary tools, expendable equipment, and all utility and transportation services required to complete all the work of construction of

NAME OF PROJECT, SPEC NO.

in strict compliance with the plans and specifications therefor, including any and all Addenda, adopted by the Owner, in strict compliance with the Contract Documents hereinafter enumerated.

It is agreed that said labor, materials, tools, equipment, and services shall be furnished and said work performed and completed under the direction and supervision and subject to the approval of the Owner or its authorized representatives.

ARTICLE II, CONTRACT PRICE: The Owner shall pay the Contractor as full consideration for the faithful performance of this Contract, subject to any additions or deductions as provided in the Contract Documents, the contract prices as follows:

Item No.	Item	Unit of Measure	Estimated Quantity	Item Price (in figures)	Total (in figures)
1.					
2.					
3.					

BID TOTAL: \$ _____ .00

Payments are to be made to the Contractor in compliance with and subject to the provisions embodied in the documents made a part of this Contract.

Should any dispute arise respecting the true value of any work omitted, or of any extra work which the Contractor may be required to do, or respecting the size of any payment to the Contractor, during the performance of this Contract, said dispute shall be decided by the Owner and its decision shall be final, and conclusive.

APPENDIX

ARTICLE III, COMPONENT PARTS OF THIS CONTRACT: The Contract consists of the following documents, all of which are as fully a part thereof as if herein set out in full, and if not attached, as if hereto attached:

1. Notice to Bidders and Information for Bidders
2. Standard Specifications and Engineering Standards
3. Special Provisions, any Addenda, Plans and Contract Change Orders
4. Caltrans Standard Specifications and Standard Plans 2015
5. Accepted Bid and Bid Bond
6. List of Subcontractors
7. Public Contract Code Sections 10285.1 Statement
8. Public Contract Code Section 10162 Questionnaire
9. Public Contract Code Section 10232 Statement
10. Labor Code Section 1725.5 Statements
11. Bidder Acknowledgements
12. Qualifications
13. Non-collusion Declaration
14. Agreement and Bonds
15. Insurance Requirements and Forms

ARTICLE IV INDEMNIFICATION: The Contractor shall indemnify, defend with legal counsel approved by City, and hold harmless City, its officers, officials, employees and volunteers from and against all liability, loss, damage, expense, cost (including without limitation reasonable legal counsel fees, expert fees and all other costs and fees of litigation) of every nature arising out of or in connection with the Contractor's negligence, recklessness or willful misconduct in the performance of work hereunder or its failure to comply with any of its obligations contained in this Agreement, except such loss or damage which is caused by the sole or active negligence or willful misconduct of the City. Should conflict of interest principles preclude a single legal counsel from representing both the City and the Contractor, or should the City otherwise find the Contractor's legal counsel unacceptable, then the Contractor shall reimburse the City its costs of defense, including without limitation reasonable legal counsel fees, expert fees and all other costs and fees of litigation. The Contractor shall promptly pay any final judgment rendered against the City (and its officers, officials, employees and volunteers) with respect to claims determined by a trier of fact to have been the result of the Contractor's negligent, reckless or wrongful performance. It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California and will survive termination of this Agreement.

The Contractor obligations under this section apply regardless of whether such claim, charge, damage, demand, action, proceeding, loss, stop notice, cost, expense, judgment, civil fine or penalty, or liability was caused in part or contributed to by an Indemnitee. However, without affecting the rights of the City under any provision of this agreement, the Contractor shall not be required to indemnify and hold harmless the City for liability attributable to the active negligence of City, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In

APPENDIX

instances where the City is shown to have been actively negligent and where the City's active negligence accounts for only a percentage of the liability involved, the obligation of the Contractor will be for that entire portion or percentage of liability not attributable to the active negligence of the City.

ARTICLE V. It is further expressly agreed by and between the parties hereto that should there be any conflict between the terms of this instrument and the bid of said Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said bid conflicting herewith.

IN WITNESS WHEREOF, the parties to these presents have hereunto set their hands this year and date first above written.

CITY OF SAN LUIS OBISPO
A Municipal Corporation

Derek Johnson, City Manager

APPROVED AS TO FORM

CONTRACTOR:

Name of Company

J. Christine Dietrick
City Attorney

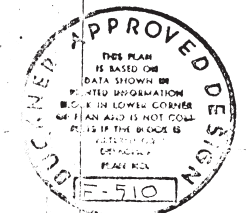
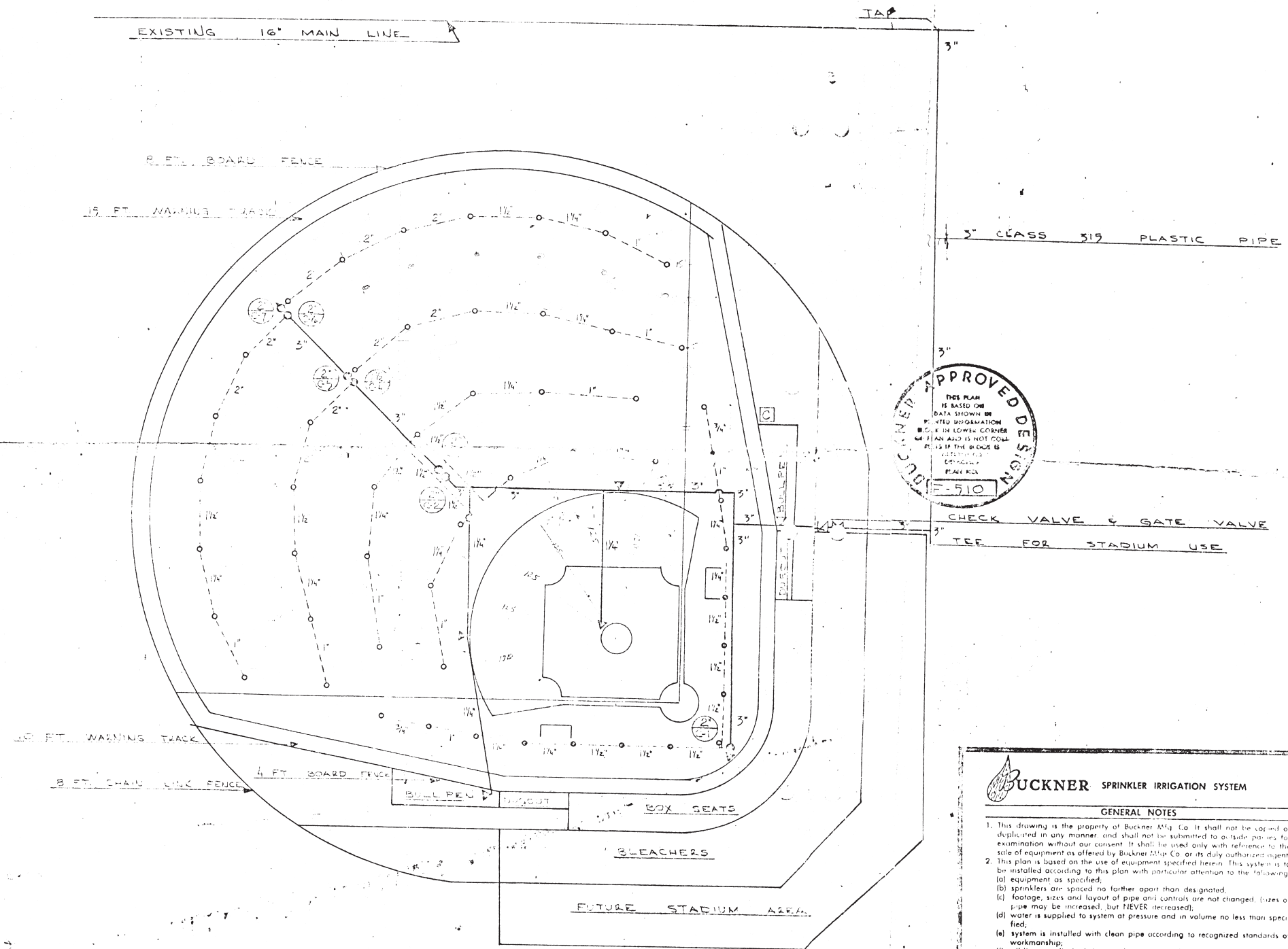
By: _____
Name of CAO/President
Its: CAO/PRESIDENT

(2nd signature required if Corporation):

By: _____
Name of Corporate Officer

Its: _____

APPENDIX B – SINSHEIMER IRRIGATION AND DRAINAGE AS-BUILTS



3" CLASS 315 PLASTIC PIPE
 3" CHECK VALVE & GATE VALVE
 3" TEE FOR STADIUM USE

BUCKNER SPRINKLER IRRIGATION SYSTEM

GENERAL NOTES

- This drawing is the property of Buckner Mfg. Co. It shall not be copied or duplicated in any manner, and shall not be submitted to outside parties for examination without our consent. It shall be used only with reference to the sale of equipment as offered by Buckner Mfg. Co. or its duly authorized agent.
- This plan is based on the use of equipment specified herein. This system is to be installed according to this plan with particular attention to the following:
 - equipment as specified;
 - sprinklers are spaced no farther apart than designated;
 - footage, sizes and layout of pipe and controls are not changed; (sizes of pipe may be increased, but NEVER decreased);
 - water is supplied to system at pressure and in volume no less than specified;
 - system is installed with clean pipe according to recognized standards of workmanship;
 - all lines are flushed clean and care exercised to keep out dirt and foreign matter during installation and subsequent operation;
 - provide back flow prevention as required by code;
 - all equipment, pipe, fittings, sprinklers, etc. to be installed per mfg. spec.
- System is designed from data supplied by owner who assumes full responsibility for its correctness.
- Water requirement for system: 112,000 gallons per minute at 65 lbs. pressure per square inch, flowing from point designated as "TAP".
 - Total combined G.P.M. capacity of sprinklers operating at one time should never exceed the total water requirement.
- Supply line friction loss computed for C=100 (Williams and Hazen Table)
- Lateral line friction loss computed for C=150 (Williams and Hazen Table)
- This plan is presented as a guide and service to the purchaser of equipment from Buckner Mfg. Co. and is not intended as an offer to contract the installation or proposal to furnish other than equipment as specified herein.
- This plan is not genuine unless it bears the "Buckner Approved Design" stamp and plan number within the sprinkled area.
- No allowance made for wind.

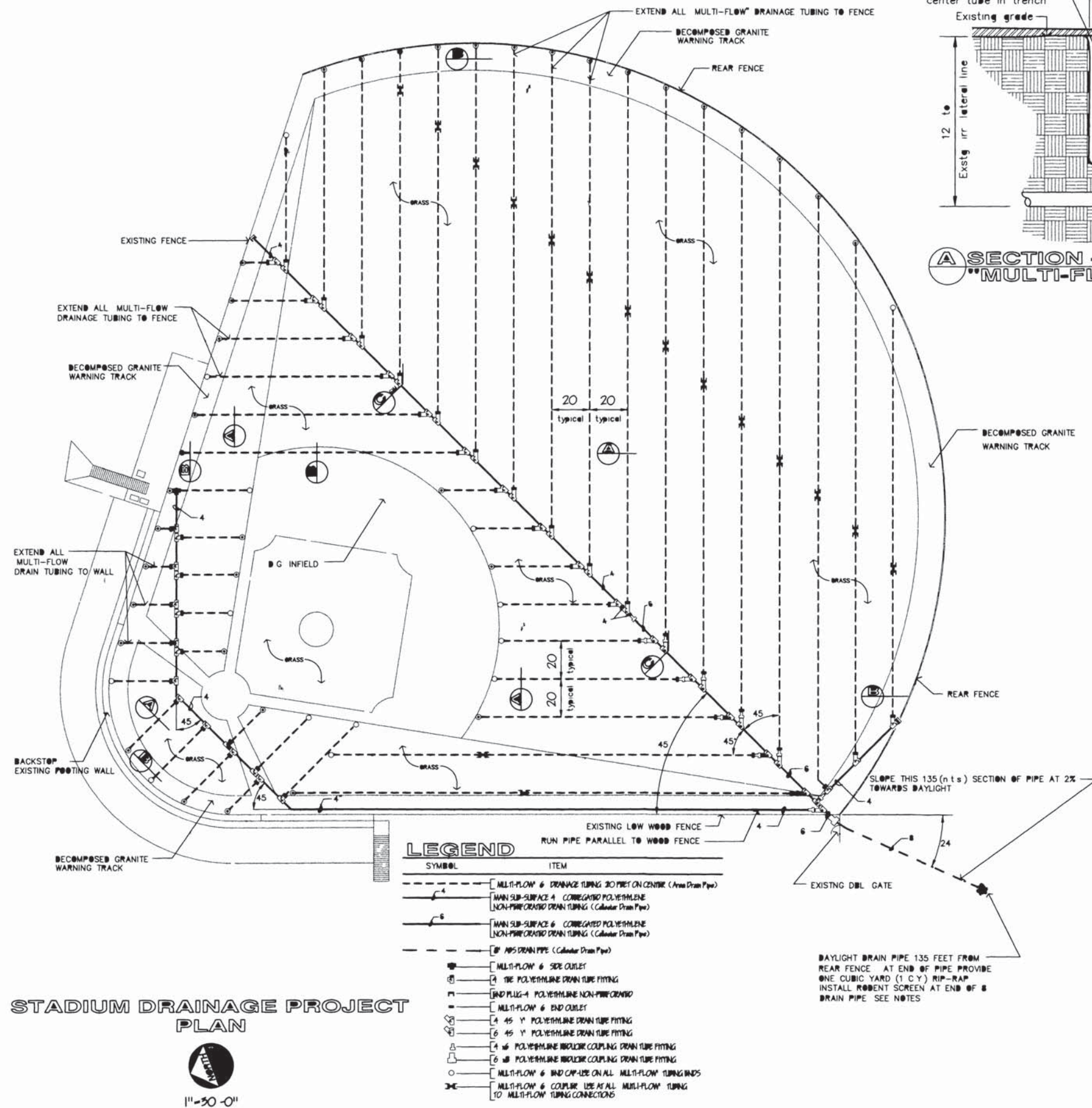
Designed for: EMERALD IRRIGATION SYSTEM
 101 SOUTH @ SPENCE RD. CALIF. 95302

QUANTITY	CATALOG NO.	SYMBOL	DESCRIPTION
37	1330 R	0	FACTORY PUMP SPEC. 1/2" 1/2"
15	1310 R	0	3/4" 1/2" 1/2"
1	53AE	0	1/2" ANGLE-ELECTRIC AUTO. VALVE
6	54AE	0	1/2" 1/2" 1/2"
1	611E-P	□	11 STATION AUTO. CONTROLLER
4	3R	Δ	1" QUICK COUPLER VALVE

DESIGNED BY HOLYCEK
 CHECKED BY: 7-15-66
 DATE: 7-15-66
 SCALE: 1" = 40'-0"

BUCKNER MANUFACTURING CO., INC.
 909 W. NIELSEN AVE.
 P.O. BOX 232
 FRENO, CALIFORNIA

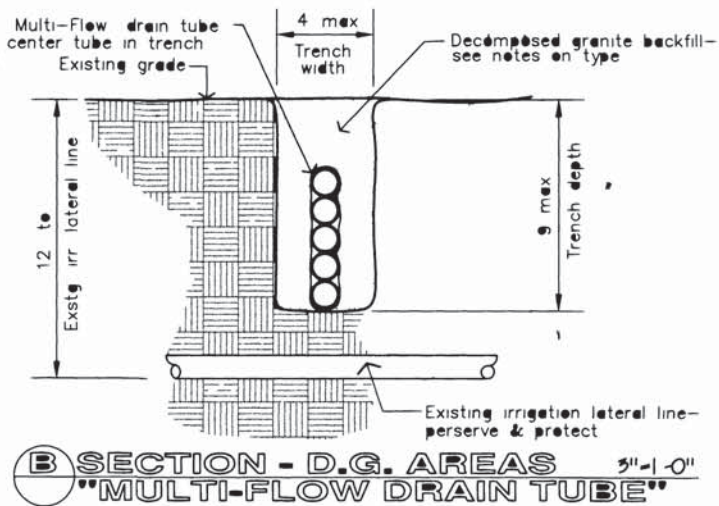
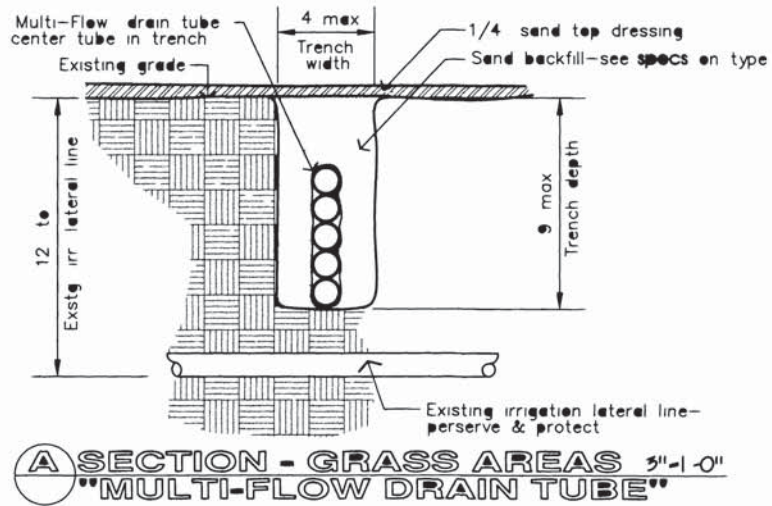
PLAN NO. F-510



STADIUM DRAINAGE PROJECT PLAN

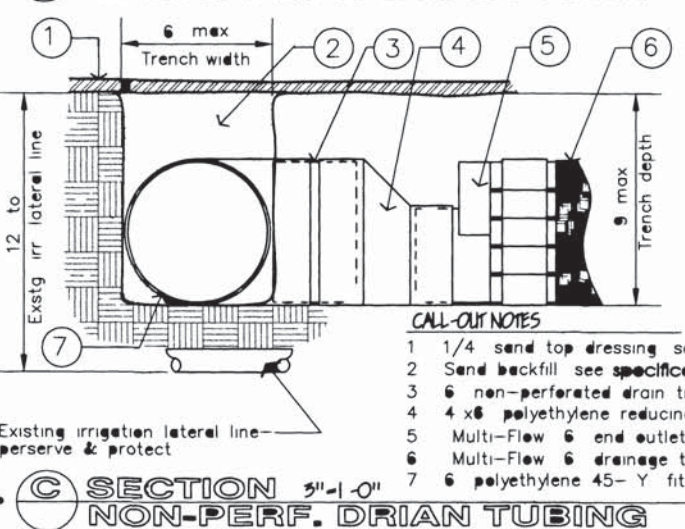


1"=30'-0"



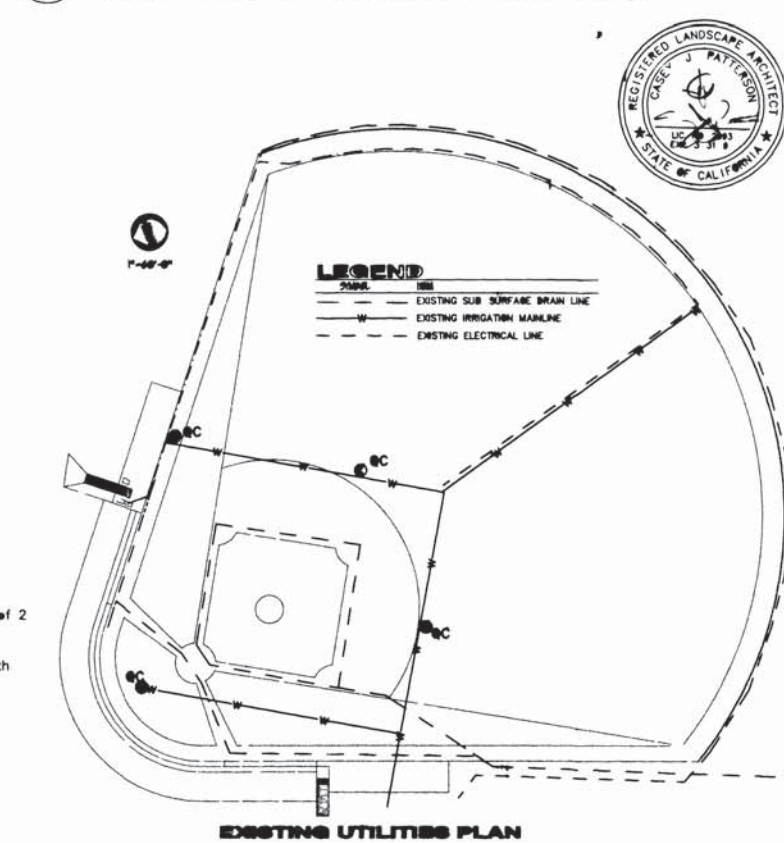
INSTALLATION NOTES

- Before construction is allowed to start the project the City will seal existing grass areas of the baseball stadium. The Contractor will not be allowed to start the project until this is completed by the City.
- There exist underground utilities in the project area. The Contractor is to take care not to disturb, destroy or damage these utilities. It is the Contractor's responsibility to find, protect and preserve the existing utilities. See Existing Utilities Plan, this sheet for approximate locations. Note: all existing irrigation components are not shown on this plan. Any damage caused to the existing system by the Contractor will be repaired by the Contractor at his/her cost.
- Irrigation system components (mainline & lateral piping, wiring, valves, heads, etc.) exist in the project area. See Existing Utilities Plan, this sheet for approximate locations. Note: all existing irrigation components are not shown on this plan. Any damage caused to the existing system by the Contractor will be repaired by the Contractor at his/her cost.
- All trenches for drain pipes and tubing will be straight with vertical sides and even smooth and uniform bottoms. All trench excavation materials not needed as backfill will be disposed of off site.
- Install all Multi-Flow & non-perforated drain pipe level or with a minimum slope to the West towards the right field foul line. Over excavation in the bottoms of the trenches shall be back-filled to the proper grade with excavated materials prior to the placement of the drainage system.
- Installation of the drain tube and fittings will be per manufacturers installation instructions.
- Backfill of trenches in the Stadium's grass areas will be with sand. Sand will be per specifications.
- Backfill of trenches in the Stadium's warning tracks and infield (all on-grass areas) will be with decomposed granite Pit Sand. This decomposed granite will be free of material larger than 3/16 inch in diameter.
- Backfill of trench for 8" ABS drain pipe will be with native soil. The native soil backfill will be free of rock, glass and other extraneous materials.
- All backfill materials (sand & native soil) will be compacted to 90% of adjacent soil density.
- A rednet screen made of 1/4 x 1/4 @ 25 gauge galvanized steel mesh will be installed at the end of the 8" ABS drain pipe where it daylight. Bend screen over the end of the pipe extending 1 foot opening. Secure screen to pipe with stainless steel hose pipe clamp.
- At trench intersections of 6" corrugated polyethylene non-perforated drain tubing and 6" Multi-Flow drain tube, excavations for reducer couplings & other fittings will be kept to a minimum. Do not exceed 6" trench width for the installation of these fittings.
- AERATION & TOP DRESSING**
 - Once drainage system is installed and approved by the City a 4' excavation and other extraneous materials are removed from the Stadium the grass areas will be aerated & top dressed.
 - All grass areas of the Stadium will be aerated to a depth of 2" with aerator equipment approved by the City. Soil cores will be left on the field.
 - All grass areas of the Stadium will then be top dressed with sand. Sand will be per specifications.
 - Sand will be spread to a consistent and uniform depth of one quarter inch (1/4") in all turf areas.
 - Once sand is spread all grass areas will be lightly dragged with a Landscape Drag Mat working sand into the grass areas. The areas will be dragged in two opposite directions.
 - The final result of the top dressing operation will be a uniform and continuously smooth playing surface.



CALL-OUT NOTES

- 1/4" sand top dressing see notes
- Sand backfill see specifications
- 6" non-perforated drain tubing
- 4 x 6" polyethylene reducing coupling
- Multi-Flow 6" end outlet
- Multi-Flow 6" drainage tubing
- 6" polyethylene 45° Y fitting



APPROVED BY

CITY ENGINEER

DATE JULY 1995

SCALE see plan

DESIGNED BY CJP

DRAWN BY CJP

CHECKED BY

APPROVED BY

SPECIFICATION NO

96-57

FILE NO/LOCATION

3020 B

SHEET

2 of 2

**APPENDIX C – GEOLOGIC EVALUATION FOR NATURALLY OCCURRING
ASBESTOS (NOA)**



March 10, 2021

ESP File No.: 301066-003

Mr. Hai Nguyen, Engineer III
City of San Luis Obispo, Public Works Department
919 Palm Street
San Luis Obispo, CA 93401-3218

PROJECT: SINSHEIMER IRRIGATION AND STADIUM DRAINAGE PROJECT
CITY SPECIFICATION NO. 91658
SOUTHWOOD DRIVE
SAN LUIS OBISPO, CALIFORNIA

SUBJECT: Geologic Evaluation for Naturally Occurring Asbestos (NOA)

CONTRACT

REF: Purchase Order 608432, dated January 13, 2021

Dear Mr. Nguyen:

In accordance with your authorization, this report has been prepared to address the potential for the presence of naturally occurring asbestos on the above project site. The location of the project site is depicted on Figure 1, Site Vicinity Map. Our evaluation consisted of review of geologic literature to assess the geologic formations underlying the site, advancing seven shallow borings, collection of composite soil and bedrock samples from each of the borings, and laboratory analysis of soil samples.

Several different types of minerals are included in the term asbestos. The minerals referred to as asbestos all exhibit a fibrous form that may produce airborne particles when crushed or abraded. The California Air Resources Board (CARB) considers airborne asbestos particles a significant risk to human health on a statewide and local level (CARB 2017).

Asbestos minerals are generally limited to only a few types of rocks known to be present in the central coast area of California; these are ultramafic igneous rocks and their metamorphic equivalents, which include serpentinite and some types of schist. The regional geologic map (Wieggers 2010) depicts the site as being underlain by alluvial deposits (map symbol Qya) and mélange of the Franciscan Complex (map symbol KJfm). The Franciscan Complex includes rock types that are known to contain asbestos minerals. Serpentinized ultramafic rocks are also mapped in the vicinity of the site. The regional geologic Map, depicting the approximate park boundary is presented as Figure 2, Regional geologic Map.

Included in our review of geologic literature were boring logs from geotechnical investigations performed for previous improvements at the park, including Stairs Replacement in August 2013, and the Stadium Backstop in June 2017. The borings logs from these projects indicated that Franciscan Mélange and serpentinite are present beneath the project area at shallow depths.



The irrigation and drainage improvements proposed for Sinsheimer Park are anticipated to include excavation of shallow trenches to a depth of approximately 3 feet below the existing grade. To assess if the proposed excavations will encounter asbestos containing materials we drilled 7 shallow borings to a depth of 3 feet on February 8, 2021 with a truck mounted solid flite auger. We collected composite soil and bedrock samples from each of the borings. Each composite sample included material from approximately 0.5 feet, 1.5 feet, and 3 feet. The locations of the 7 borings represented on Figure 3, Field Exploration Map.

The samples were sent to a State certified laboratory and analyzed for asbestos in accordance with EPA method 600/R-93/116 with CARB 435 prep with target sensitivity of 0.25%. Asbestos was not detected in any of the samples analyzed. The results of the analysis are presented in the following table. The analytical report from EMSL Analytical Inc. is included as an attachment to this report.

NOA Assessment – Analytical Results

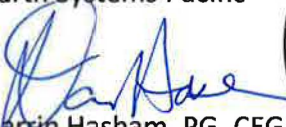
Boring Number	Sample Number	Percent Asbestos
1	092101852-0001	None Detected
2	092101852-0002	None Detected
3	092101852-0003	None Detected
4	092101852-0004	None Detected
5	092101852-0005	None Detected
6	092101852-0006	None Detected
7	092101852-0007	None Detected

There are no indications that naturally occurring asbestos materials are present on site at depths that may be disturbed by site grading for the installation of the irrigation and drainage improvements. No further action is recommended.

Thank you for the opportunity to have been of service. If you have any questions, or if we can be of further assistance, please do not hesitate to contact the undersigned at your convenience.

Sincerely,

Earth Systems Pacific


Darin Hasham, PG, CEG
Associate Engineering Geologist



Enc.: Appendix A - Site Vicinity Map, Regional Geologic Map, Field Exploration Map
 Appendix B - Boring Logs 1 through 7
 Appendix C - EMSL Test Report, Order 092101852

Doc. No.: 2103-025.GEO/pm

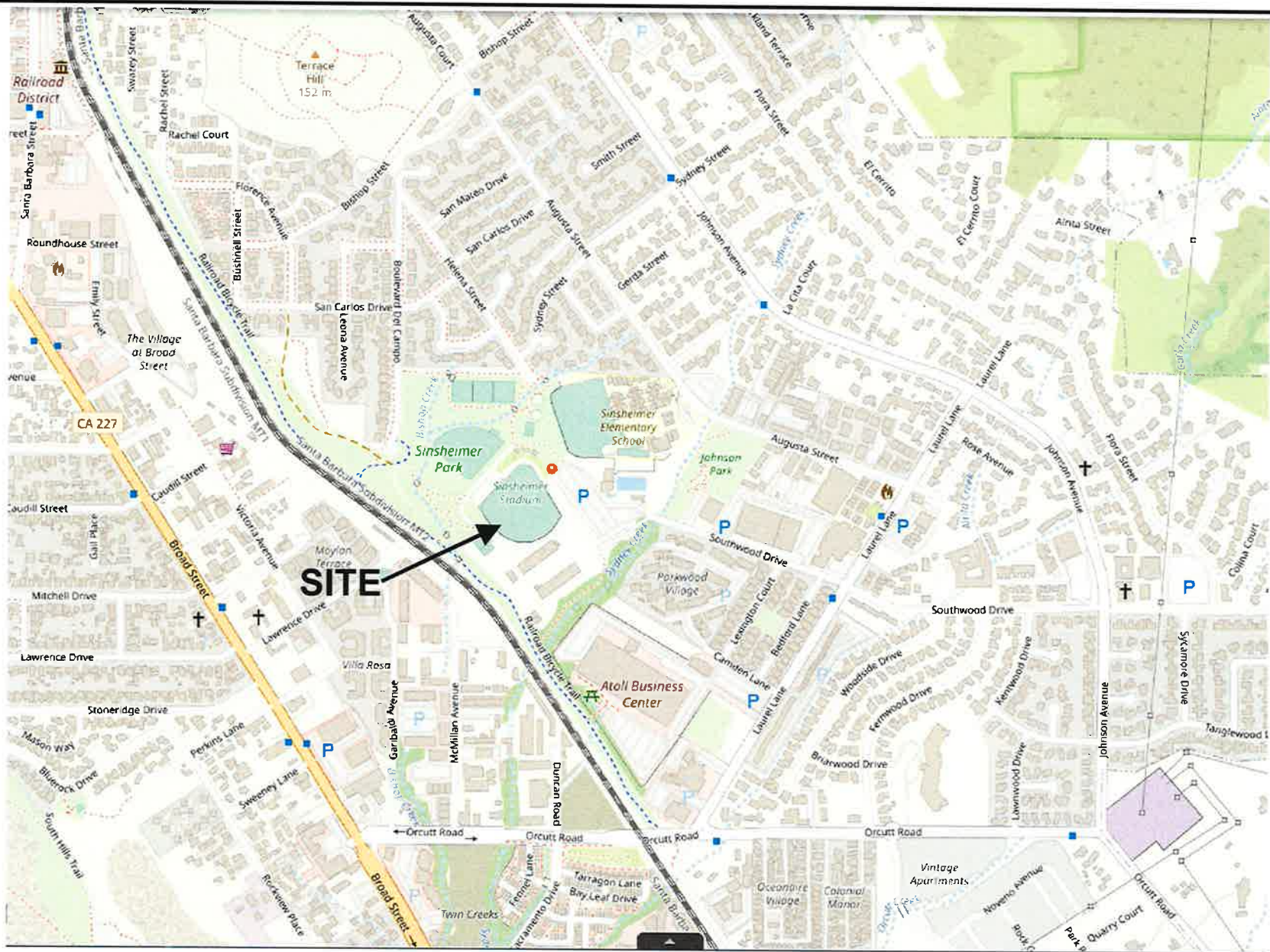


REFERENCES

- CARB (California Environmental Protection Agency, Air Resources Board), 2017, Implementation Guidance Document, Air Resources Board Test Method 435, Determination of Asbestos Content of Serpentine Aggregate, dated April 2017.
- Earth Systems Pacific, 2017, Geotechnical Engineering Report, Sinsheimer Stadium Backstop, CIP Project #91543, 900 Southwood Drive, San Luis Obispo, California, document No. 1706-103.SER, dated June 27, 2017
- Wiegers, Mark O., 2010, Geologic Map of the San Luis Obispo 7.5' Quadrangle, San Luis Obispo County, California: A Digital Database, California Geological Survey, Scale 1:24:000

APPENDIX A

Figure 1 Site Vicinity Map
Figure 2 - Regional Geologic Map
Figure 3 - Field Exploration Plan



EARTH SYSTEMS PACIFIC

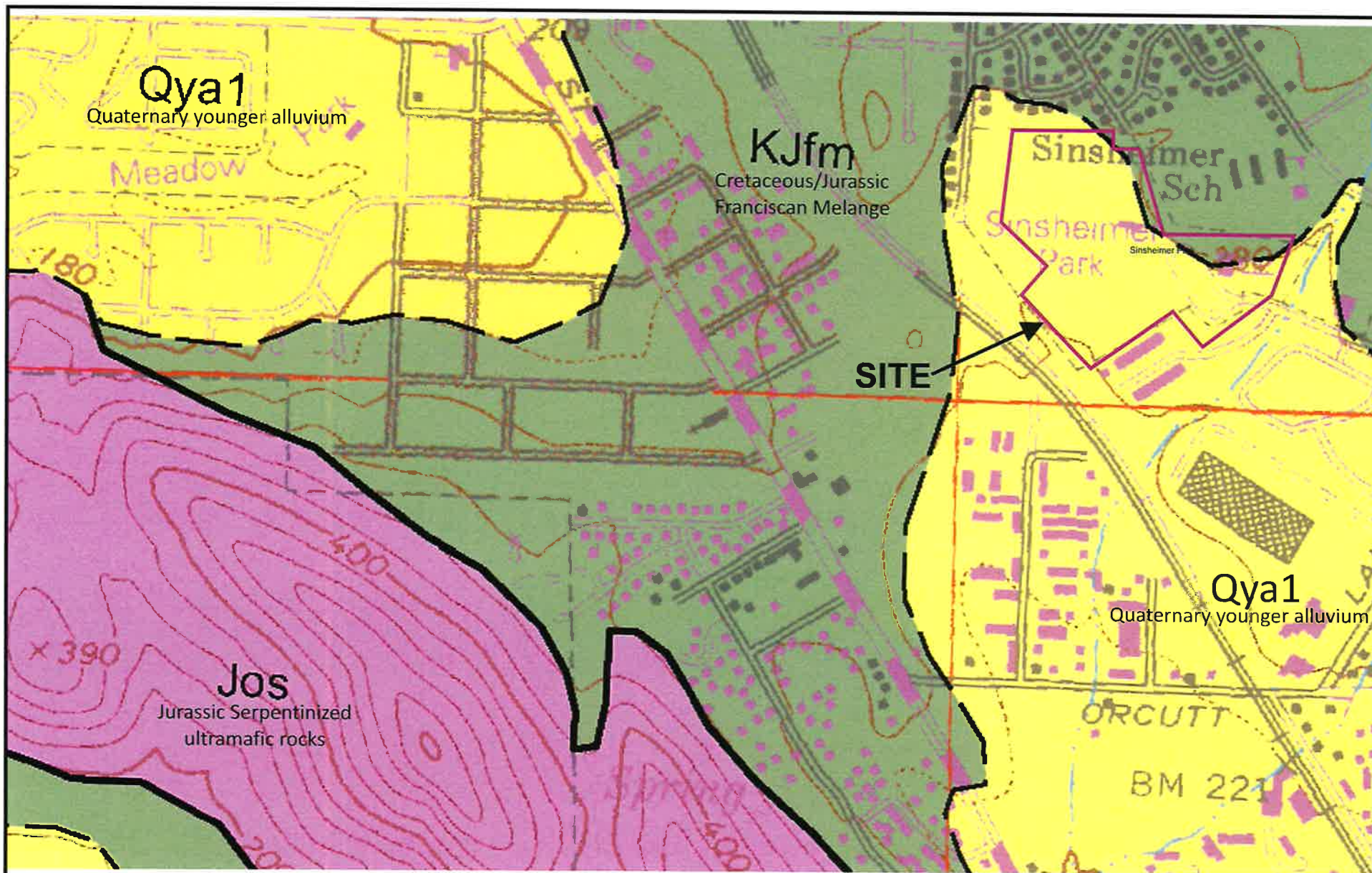
4378 Old Santa Fe Road, San Luis Obispo, CA 93401
www.earthsystems.com - email: esp@earthsystems.com
 (805) 544-3276

SITE VICINITY MAP
 Sinsheimer Irrigation and Stadium Drainage Project
 Southwood Drive
 San Luis Obispo, California

FIGURE 1

Date
 March 2021

Project No.
 301066-003



Source: Wieggers, Mark O., 2010, Geologic Map of the San Luis Obispo 7.5' Quadrangle, San Luis Obispo County, California: A Digital Database, California Department of Conservation, California Geological Survey



EARTH SYSTEMS PACIFIC

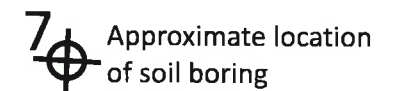
4378 Old Santa Fe Road, San Luis Obispo, CA 93401
www.earthsystems.com - email: esp@earthsystems.com
 (805) 544-3276

REGIONAL GEOLOGIC MAP
Sinsheimer Irrigation and Stadium Drainage Project
Southwood Drive
San Luis Obispo, California

FIGURE 2

Date
 March 2021

Project No.
 301066-003



EARTH SYSTEMS PACIFIC

4378 Old Santa Fe Road, San Luis Obispo, CA 93401
www.earthsystems.com - email: esp@earthsystems.com
(805) 544-3276

FIELD EXPLORATION MAP

**Sinsheimer Irrigation and Stadium Drainage Project
Southwood Drive
San Luis Obispo, California**

FIGURE 3

Date
March 2021

Project No.
301066-003

APPENDIX B

Boring Log Legend
Boring Logs 1 through 7



Earth Systems Pacific

BORING LOG LEGEND

SAMPLE / SUBSURFACE WATER SYMBOLS

GRAPH.
SYMBOL

CALIFORNIA MODIFIED



STANDARD PENETRATION TEST (SPT)



SHELBY TUBE



BULK



SUBSURFACE WATER
DURING DRILLING



SUBSURFACE WATER
AFTER DRILLING



UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2487)

MAJOR
DIVISIONS

GROUP
SYMBOL

TYPICAL DESCRIPTIONS

GRAPH.
SYMBOL

COARSE GRAINED SOILS

MORE THAN HALF OF MATERIAL
IS LARGER THAN #200
SIEVE SIZE

GW

WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES



GP

POORLY GRADED GRAVELS, OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES



GM

SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES, NON-PLASTIC FINES



GC

CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES, PLASTIC FINES



SW

WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES



SP

POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES



SM

SILTY SANDS, SAND-SILT MIXTURES, NON-PLASTIC FINES



SC

CLAYEY SANDS, SAND-CLAY MIXTURES, PLASTIC FINES



FINE GRAINED SOILS

HALF OR MORE OF MATERIAL
IS SMALLER THAN #200
SIEVE SIZE

ML

INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY



CL

INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS



OL

ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY



MH

INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS



CH

INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS



OH

ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS



PT

PEAT AND OTHER HIGHLY ORGANIC SOILS



OBSERVED MOISTURE CONDITION

DRY

SLIGHTLY MOIST

MOIST

VERY MOIST

WET (SATURATED)

CONSISTENCY

COARSE GRAINED SOILS

BLOWS/FOOT

SPT

0-10

CA SAMPLER

0-16

DESCRIPTIVE TERM

LOOSE

11-30

17-50

MEDIUM DENSE

31-50

51-83

DENSE

OVER 50

OVER 83

VERY DENSE

FINE GRAINED SOILS

BLOWS/FOOT

SPT

0-2

CA SAMPLER

0-3

DESCRIPTIVE TERM

VERY SOFT

3-4

4-7

SOFT

5-8

8-13

MEDIUM STIFF

9-15

14-25

STIFF

16-30

26-50

VERY STIFF

OVER 30

OVER 50

HARD

GRAIN SIZES

U.S. STANDARD SERIES SIEVE

CLEAR SQUARE SIEVE OPENING

200

40

10

4

3/4"

3"

12"

SILT & CLAY

SAND

FINE

MEDIUM

COARSE

GRAVEL

FINE

COARSE

COBBLES

BOULDERS

TYPICAL BEDROCK HARDNESS

MAJOR DIVISIONS

TYPICAL DESCRIPTIONS

EXTREMELY HARD

CORE, FRAGMENT, OR EXPOSURE CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CAN ONLY BE CHIPPED WITH REPEATED HEAVY HAMMER BLOWS

VERY HARD

CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CORE OR FRAGMENT BREAKS WITH REPEATED HEAVY HAMMER BLOWS

HARD

CAN BE SCRATCHED WITH KNIFE OR SHARP PICK WITH DIFFICULTY (HEAVY PRESSURE); HEAVY HAMMER BLOW REQUIRED TO BREAK SPECIMEN

MODERATELY HARD

CAN BE GROOVED 1/16 INCH DEEP BY KNIFE OR SHARP PICK WITH MODERATE OR HEAVY PRESSURE; CORE OR FRAGMENT BREAKS WITH LIGHT HAMMER BLOW OR HEAVY MANUAL PRESSURE

SOFT

CAN BE GROOVED OR GOUGED EASILY BY KNIFE OR SHARP PICK WITH LIGHT PRESSURE, CAN BE SCRATCHED WITH FINGERNAIL; BREAKS WITH LIGHT TO MODERATE MANUAL PRESSURE

VERY SOFT

CAN BE READILY INDENTED, GROOVED OR GOUGED WITH FINGERNAIL, OR CARVED WITH KNIFE; BREAKS WITH LIGHT MANUAL PRESSURE

TYPICAL BEDROCK WEATHERING

MAJOR DIVISIONS

TYPICAL DESCRIPTIONS

UNWEATHERED

NO DISCOLORATION, NOT OXIDIZED

SLIGHTLY WEATHERED

DISCOLORATION OR OXIDATION IS LIMITED TO SURFACE OF, OR SHORT DISTANCE FROM, FRACTURES: SOME FELDSPAR CRYSTALS ARE DULL

MODERATELY WEATHERED

DISCOLORATION OR OXIDATION EXTENDS FROM FRACTURES, USUALLY THROUGHOUT; Fe-Mg MINERALS ARE "RUSTY", FELDSPAR CRYSTALS ARE "CLOUDY"

HIGHLY WEATHERED

DISCOLORATION OR OXIDATION THROUGHOUT; FELDSPAR AND Fe-Mg MINERALS ARE ALTERED TO CLAY TO SOME EXTENT, OR CHEMICAL ALTERATION PRODUCES IN SITU DISAGGREGATION

DECOMPOSED

DISCOLORATION OR OXIDATION THROUGHOUT, BUT RESISTANT MINERALS SUCH AS QUARTZ MAY BE UNALTERED; FELDSPAR AND Fe-Mg MINERALS ARE COMPLETELY ALTERED TO CLAY



Earth Systems Pacific

LOGGED BY: S. Hemmer
DRILL RIG: SIMCO
AUGER TYPE: 4" Solid Stem

Boring No. 1
PAGE 1 OF 1
JOB NO.: 301066-003
DATE: 2/8/2021

DEPTH (feet)	USCS CLASS	SYMBOL	Sinsheimer Irrigation and Stadium Drainage Project Southwood Drive San Luis Obispo, California	SAMPLE DATA				
			SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	CH		SANDY FAT CLAY: black, soft, moist (Alluvium)	0.0 - 3.0				
1								
2			SERPENTINITE: greenish gray, soft, slightly moist, slightly weathered (Franciscan Mélange)					
3			End of Boring @ 3.0'					
4			No subsurface water encountered					
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: S. Hemmer
DRILL RIG: SIMCO
AUGER TYPE: 4" Solid Stem

Boring No. 2
PAGE 1 OF 1
JOB NO.: 301066-003
DATE: 2/8/2021

DEPTH (feet)	USCS CLASS	SYMBOL	Sinsheimer Irrigation and Stadium Drainage Project Southwood Drive San Luis Obispo, California	SAMPLE DATA				
			SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SP		POORLY GRADED SAND: brown, loose, moist (Fill)	0.0 - 3.0				
1	CH		SANDY FAT CLAY: black, soft, moist (Alluvium)					
2			SERPENTINITE: greenish gray, soft, slightly moist, slightly weathered (Franciscan Mélange)					
3			End of Boring @ 3.0'					
4			No subsurface water encountered					
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 3

PAGE 1 OF 1

JOB NO.: 301066-003

DATE: 2/8/2021

LOGGED BY: S. Hemmer
DRILL RIG: SIMCO
AUGER TYPE: 4" Solid Stem

DEPTH (feet)	USCS CLASS	SYMBOL	Sinsheimer Irrigation and Stadium Drainage Project Southwood Drive San Luis Obispo, California	SAMPLE DATA				
			SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SP		POORLY GRADED SAND: brown, loose, moist (Fill)	0.0 - 3.0				
1	CH		SANDY FAT CLAY: black, soft, moist (Alluvium)					
2			SERPENTINITE: greenish gray, soft, slightly moist, slightly weathered (Franciscan Mélange)					
3			End of Boring @ 3.0'					
4			No subsurface water encountered					
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: S. Hemmer
DRILL RIG: SIMCO
AUGER TYPE: 4" Solid Stem

Boring No. 4
PAGE 1 OF 1
JOB NO.: 301066-003
DATE: 2/8/2021

DEPTH (feet)	USCS CLASS	SYMBOL	Sinsheimer Irrigation and Stadium Drainage Project Southwood Drive San Luis Obispo, California SOIL DESCRIPTION	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SP		POORLY GRADED SAND: brown, loose, moist (Fill)	0.0 - 3.0				
1	CH		CLAYEY SAND: gray, loose, very moist (Alluvium)					
2			SERPENTINITE: greenish gray, soft, slightly moist, slightly weathered (Franciscan Mélange)					
3			End of Boring @ 3.0'					
4			No subsurface water encountered					
5								
6								
7								
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26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 5

PAGE 1 OF 1




JOB NO.: 301066-003

DATE: 2/8/2021

LOGGED BY: S. Hemmer

DRILL RIG: SIMCO

AUGER TYPE: 4" Solid Stem

DEPTH (feet)	USCS CLASS	SYMBOL	Sinsheimer Irrigation and Stadium Drainage Project Southwood Drive San Luis Obispo, California	SAMPLE DATA				
			SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SC		CLAYEY SAND: brown, loose, moist (Fill)	0.0 - 3.0				
1								
2			SERPENTINITE: greenish gray, soft, slightly moist, slightly weathered (Franciscan Mélange)					
3			End of Boring @ 3.0'					
4			No subsurface water encountered					
5								
6								
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26								

LEGEND:  Ring Sample  Grab Sample  Shelby Tube Sample  SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific





Boring No. 6

PAGE 1 OF 1

JOB NO.: 301066-003

DATE: 2/8/2021

LOGGED BY: S. Hemmer
DRILL RIG: SIMCO
AUGER TYPE: 4" Solid Stem

DEPTH (feet)	USCS CLASS	SYMBOL	Sinsheimer Irrigation and Stadium Drainage Project Southwood Drive San Luis Obispo, California SOIL DESCRIPTION	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SP		POORLY GRADED SAND : brown, loose, moist (Fill)	0.0 - 3.0				
1	CH		SANDY FAT CLAY: black, soft, moist (Alluvium)					
2	CL		LEAN CLAY: gray, soft, moist					
3			End of Boring @ 3.0'					
4			No subsurface water encountered					
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25								
26								

LEGEND:  Ring Sample  Grab Sample  Shelby Tube Sample  SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: S. Hemmer
DRILL RIG: SIMCO
AUGER TYPE: 4" Solid Stem

Boring No. 7
PAGE 1 OF 1
JOB NO.: 301066-003
DATE: 2/8/2021

DEPTH (feet)	USCS CLASS	SYMBOL	Sinsheimer Irrigation and Stadium Drainage Project Southwood Drive San Luis Obispo, California	SAMPLE DATA				
			SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SP		POORLY GRADED SAND : brown, loose, moist (Fill)	0.0 - 3.0	○			
1	CH		SANDY FAT CLAY: black, soft, moist (Alluvium)					
2	CL		LEAN CLAY: gray, soft, moist					
3			End of Boring @ 3.0'					
4			No subsurface water encountered					
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LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

APPENDIX C

EMSL Test Report

**EMSL Analytical, Inc.**

464 McCormick Street San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com**EMSL Order:** 092101852**Customer ID:** EART70**Customer PO:** 301066-003**Project ID:**

Attention: Darrin Hasham
Earth Systems Pacific
4378 Santa Fe Road
San Luis Obispo, CA 93401

Phone: (909) 380-3289
Fax: (805) 544-1786
Received: 02/10/2021 11:30 AM
Analysis Date: 02/16/2021 - 02/17/2021
Collected: 02/08/2021

Project: SINSHEIMER PARK DRAINAGE/ 301066-003

**Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with
CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 092101852-0001	SAND AND CLAY SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2 092101852-0002	SAND AND CLAY SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3 092101852-0003	SAND AND CLAY SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4 092101852-0004	SAND AND CLAY SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5 092101852-0005	SAND AND CLAY SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6 092101852-0006	SAND AND CLAY SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7 092101852-0007	SAND AND CLAY SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Gavin Lee (1)
Jose Madrid (6)

Cecilia Yu, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. EMSL suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from: 02/17/2021 08:56:52

APPENDIX D – 6040 INFIELD MIX



DELLAVALLE*
Laboratory, Inc.
Chemists and Consultants

Report of Soil Analysis

1910 W. McKinley, Suite 110, Fresno, CA 93728
FAX (559) 268-8174 - (800) 228-9886 - (559) 233-6129

Rosenbalm Rockery Inc
1745 N Hughes Ave
Fresno CA 93705
15785
09

Lab No. 291358
Sampled Date 3/26/2019
Submitted Date 3/27/2019
Submitted by Rick
Reported Date 4/2/2019
Location/Project
Copy To
Fax (559) 256-3907
E-mail Todd@therockery.com

ID:

No.	Description	%	%	%	Textural
		Sand	Silt	Clay	Class
	RL →	0.1	0.1	0.1	
	NAPT Methods →	S14.10	S14.10	S14.10	S14.10
	Handbook 60 →				
1	6040 Mix	62	21	17	Sandy Loam
