SPECIAL PROVISIONS

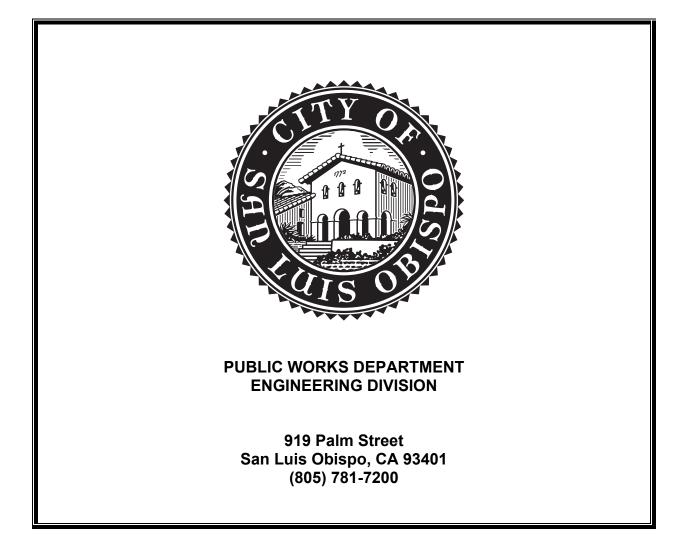
FOR

CITY OF SAN LUIS OBISPO

Chorro/Murray/Meinecke Sewer Replacement Project

Specification No. 91639

May 2022



Chorro/Murray/Meinecke Sewer Replacement Project

Specification No. 91639

Approval Date: May 17, 2022



Hai Nguyen

May xx, 2022



Brian Nelson

May xx, 2022

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NOTICE TO BIDDERS BID SUBMISSION

Sealed bids will be received by the City of San Luis Obispo at the Public Works Administration Office located at 919 Palm Street, San Luis Obispo California, 93401 until

11:00 a.m. on July XX, 2022

at which time they will be publicly opened and read aloud. Public bid opening may be accessed via Microsoft Teams video conference and conference call. In person attendance will be permitted. Attendees are encouraged to wear face masks and practice social distancing. Use the following link:

https://teams.microsoft.com/l/meetup-

join/19%3ameeting_MDlhNTZmOGQtYzZkMS00OWIxLTg3ZjktNWIxM2M5NjIwODNj% 40thread.v2/0?context=%7b%22Tid%22%3a%22a78b182d-94e4-4507-a9a9-330dcb148164%22%2c%22Oid%22%3a%22a8add278-38fa-47c3-8727acd5a57b58ec%22%7d

or join by phone with this number: 1 (209) 645-4165 with Conference ID: 221 315 81#

Submit bid in a sealed envelope plainly marked:

Chorro/Murray/Meinecke Sewer Replacement Project, Specification No. 91639

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

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-bidsproposals

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/documentsonline/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.

Questions must be submitted through BidSync so that it is available to the public. 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:

www.slocity.org/government/department-directory/public-works/public-works-bidsproposals.

PROJECT INFORMATION

In general, the project consists of the replacement of existing sewerlines by open trenching and pipe bursting.

The project estimated construction cost is \$1,150,000

Contract time is established as 50 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 C34 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.

Provide two referenced projects completed as the prime contractor and one referenced project 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.

All referenced projects must be for underground pipeline projects constructed in Public Roadways under contract with a City, County, State or Federal government agency. All referenced projects must have installed a minimum of 1,500 linear feet of sewerline by open trenching including sewer lateral connections.

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.

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.

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 Argelia Chang 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

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 CHORRO/MURRAY/MEINECKE SEWER REPLACEMENT

Item No.	SS ₍₁₎	Item Description	Unit of Measure	Estimated Quantity	Item Price (in figures)	Total (in figures)
1	7	TRAFFIC CONTROL	LS	1		
2	77	POTHOLING	LS	1		
3	84	REPLACE TRAFFIC STRIPING & MARKERS	LS	1		
4	7	COMPLY WITH OSHA	LS	1		
5	77	BYPASS PUMPING	LS	1		
6	77	RESTORATION OF PRIVATE PROPERTIES	LS	1		
7*	19	ROCK EXCAVATION	CY	100		
8	77	INSTALL POLYMER FRAME AND COVER	EA	2		
9	77	REMOVE EXISTING AND INSTALL NEW CLEANOUT	EA	1		
10	77	INSTALL NEW 8" HPDPE SEWERLINE BY PIPE BURSTING	LF	144		
11	77	INSTALL NEW 8" HDPE SEWERLINE BY OPEN TRENCHING	LF	1,813		

PROJECT, SPECIFICATION NO. 91639

Item No.	SS(1)	Item Description	Unit of Measure	Estimated Quantity	Item Price (in figures)	Total (in figures)
12	77	INSTALL NEW 6" HDPE SEWERLINE BY OPEN TRENCHING	LF	20	((
13	77	INSTALL NEW SEWER MANHOLE	EA	11		
14	77	REMOVE EXISTING MANHOLE	EA	7		
15	77	REMOVE EXISTING SEWER MAIN	LF	216		
16	77	CONNECT EXISTING SEWER LATERALS TO NEW SEWERLINE	EA	7		
17*	73	REMOVE EXISTING AND RESET PAVERS	SQFT	500		
18	14	COMPLY WITH CALTRANS ENCROACHMENT PERMIT	LS	1		
19	12	CHANGEABLE MESSAGE SIGN	EA	2		
20	77	REMOVE EXISTING AND INSTALL NEW 12" DIP STORMDRAIN BY OPEN TRENCHING	LF	39		
21	77	REMOVE EXISTING AND INSTALL NEW 14" DIP STORMDRAIN BY OPEN TRENCHING	LF	100		
22	77	INSTALL NEW 3'X2' CATCH BASIN	EA	2		
23	77	CONNECT TO EXISTING STORMDRAIN STRUCTURE PER ENG. STD. 3540	EA	4		
24	77	REMOVE EXSTING DRAINAGE	EA	1		
25	73	CURB AND GUTTER	LF	53		
				Bid Total	\$	
Comp	any Nan	ne:				

(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.

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

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.

NON-COLLUSION DECLARATION

l,		<u>,</u> declare that
l am	_ of	1

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:_____

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					
DIR– Public Works Registration No:	(Print Name and Title of Bidder)				
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					

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 install a minimum of 1,500 LF of sewerline by open trenching within public roadways? Yes □ No □	Describe the services provided and how this project is similar to that which is being bid:
Was this contract for a public agency? Yes No No	Date project completed:

Reference Number 2

Customer Name & Contact Individual	
Telephone & Email	
Project Name (Site Address):	
Did this project install a minimum of 1,500 LF of sewerline by open trenching within public roadways? Yes No No	Describe the services provided and how this project is similar to that which is being bid:
Was this contract for a public agency? Yes No	Date project completed:

Reference Number 3

Customer Name & Contact Individual	
Telephone & Email	
Project Name (Site Address):	
Did this project install a minimum of 1,500 LF of sewerline by open trenching within public roadways? Yes No No	Describe the services provided and how this project is similar to that which is being bid:
Was this contract for a public agency? Yes No No	Date project completed:

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 as bind ourselves, our heirs, executors and administrato these presents:	Dollars () to be paid to signs; for which payment, well and truly to be made, we rs, successors or assigns, jointly and severally, firmly by
THE CONDITION OF THIS OBLIGATION IS SU	ICH, that if the certain bid of the above
bounden	
to construct	
to construct (insert name of street	and limits to be improved or project)
dated is accepted by the 0	City of San Luis Obispo, and if the above
	, his heirs, executors, ter into and execute a contract for such construction and thin ten (10) days (not including Saturdays, Sundays, or
said City of San Luis Obispo that said contract is rea and void; otherwise, it shall be and remain in full force	, has received notice by and from the ady for execution, then this obligation shall become null e and virtue.
IN WITNESS WHEREOF, we hereunto set our h	ands 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

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. Chorro/Murray/Meinecke Sewer Replacement Project 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 Section 3-1.18B CONTRACT EXECUTION, Caltrans Encroachment Permit 3-1.18B Caltrans Encroachment Permit

Compliance with Caltrans Encroachment permit and traffic control shall conform to the provisions of Section 12 "Temporary Traffic Control", of the Standard Specifications and these Special Provisions.

Measurement and Payment

The lump sum contract price paid to comply with Caltrans Encroachment Permit shall include full compensation for furnishing all labor, materials, tools equipment, personnel, and for doing all the work involved to comply with all Caltrans encroachment permit requirements. The contract price shall also include the application fee of **\$820.00** for obtaining a double permit for Encroachment Permit <u>0520 NTK 0263</u>. See Appendix B for additional information.

4 SCOPE OF WORK

Add to Section 4-1.03 WORK DESCRIPTION:

Comply with the provisions of Sections 7, 12, 14, 19, 73, 77 & 84 for general, material, construction, and payment specifics.

7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

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

Unless otherwise approved by Caltrans and the Engineer, work within Caltrans Right of Way must be performed between the hours of 9:00 a.m. to 3:00 p.m (Monday through Thursday) and 9:00 a.m. to 2:00 p.m. Friday.

Work within private property and easements are restricted to the working hours of Monday through Friday from 9:00 a.m. to 4:00 p.m.

All other work must be completed during normal working hours of Monday through Friday 7:00 a.m. to 4:00 p.m.

No full width street closures will be permitted. Traffic control plans should consider any lane closures based on the following list of priorities (in order of most desired to least desired option):

- 1. Restrict parking on one or both sides as necessary in order to maintain two-way traffic circulation with minimum 11' travel lanes
- 2. Two-way circulation with flaggers and minimum 11' travel lane

Additionally, two (2) changeable message signs (CMS) must be installed and operational 1 week prior to the start of construction and be maintained throughout the duration of the project. Changeable message sign shall be programmed for two flashes with messages to be approved by the Engineer.

Provide traffic control plan and traffic control application at or before the preconstruction meeting. Traffic control plan must be drawn to scale. Traffic control application may be obtained on the City's website:

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

Upon approval of the traffic control plan, the City will issue a no-fee Encroachment Permit. Permittee is responsible to comply with all conditions of the traffic control plan. Complete work using due diligence to restore free flowing of traffic.

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 VIII MISCELLANEOUS CONSTRUCTION

77 LOCAL INFRASTRUCTURE

Add to Section 77-1.03A(3) Groundwater

Groundwater has been encountered onsite (See Geotechnical reports – Appendix C). Float rock may be substituted for initial backfill when ground water is present per Engineering Standard 6020. Full compensation for removing water or dewatering excavations and backfilling with float rock is included in the payment for other bid items unless a bid item of work is shown on the Bid Item List.

Add to Section 77-1.03D Surface Restoration

Geotechnical borings and potholing of existing utilities indicate the following asphalt sections:

- 1. Meinecke Ave 5" AC through 8" AC
- 2. Chorro Street 8" AC through 13" AC
- 3. Murray Ave 3" AC through 8" AC
- 4. West Street 6" AC through 8" AC

Repair trench paving on Chorro and at the intersection of Chorro & Meinecke and Chorro & Murray must be repaired with 10 inches of AC.

All other sections of Meinecke, Murray and West must be repaired with 6 inches of AC.

Add to Section 77-3.03A(2) Pipe Bursting and Reaming

All pipe bursting operations must be done by a Contractor with at least 5 years of pipe bursting experience. Fusion equipment must be operated only by technicians who have been certified by the pipe manufacturer or supplier. Provide 3 referenced projects for sewerline replacement work using pneumatic pipe bursting installation methods.

Add to Section 77-3.02A(5) Sewer Lateral Pipe

Sewer lateral wyes must be fused HDPE. All PVC and HDPE pipe connections must be made with POLY-CAM Series 731 transition couplings. All VCP and HDPE pipe

connections must made with POLY-CAM Series 731 transition couplings and Strong Back RC couplings.

Add to Section 77-3.03A(3) HDPE Pipe Joint

HDPE pipes jointed by heat fusion welding must be internally debeaded prior to installation.

Add to Section 77-3.03C Bypass Pumping

The Contractor must provide for the flow of sewage around the section or sections of pipe designated for repair. Two pump trucks must be provided. Each pump truck must have a minimum tank capacity of 3,000 gallons.

Add to Section 77-3.03D Manholes

Polymer frame and cover per Appendix D or approved equal. Install concrete collar per Engineering Standard 6040.

Replace Section 77-3.03E Sewer Laterals with:

The Contractor must locate all existing sewer laterals and re-establish all live sewer lateral connections. All sewer lateral connections must be identified and located prior to pipe bursting a minimum of 7 days before bursting operations are scheduled. Contractor must test all laterals using dye testing to confirm which laterals are in service (active) and which are dead. Dead or unused sewer laterals must be abandoned per Engineering Standard 6050. No payment shall be made for laterals that are determined to be out of service.

The Contractor must provide portable restrooms, one per lateral closed unless an agreement is reached between the Contractor and affected resident or business that a portable restroom is not necessary. All agreements must be in writing and a copy given to the Engineer. Portable restrooms must be placed at a location preferred by the affected resident or business, and they must be sanitized and cleaned as directed by the Engineer. All portable restrooms must be removed from the public right away or private property at the end of each working day. The Contractor must immediately notify residents after their active sewer laterals are opened. Laterals must be put back into service the same day they are taken out of service.

The Contractor must notify affected residents and businesses a minimum of 7 calendar days prior to installation and give a 24-hour reminder prior to installation. The Contractor must state in the notification that the owner must not use the sewer system, length of time the sewer will be unavailable, the contact person, and that a portable restroom with a hand washing station will be provided for their use during construction. The notification must state that an ADA accessible restroom will be provided upon request.

DIVISION IX TRAFFIC CONTROL DEVICES

84 MARKINGS

Add to Section 84-2.03C Application of Stripes and Markings:

Preformed thermoplastic is only allowed with the approval of the Engineer.

DIVISION XIII APPENDICES

- Appendix A Form of Agreement
 Appendix B Caltrans Encroachment Permit
 Appendix C Geotechnical Reports
 Appendix D Polymer Frame and Cover

APPENDIX A - FORM OF AGREEMENT

THIS AGREEMENT, made on _____, 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:

ltem No.	ltem	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.

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

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

CONTRACTOR:

Name of Company

J. Christine Dietrick City Attorney

APPROVED AS TO FORM

By:

Name of CAO/President Its: CAO/PRESIDENT

(2nd signature required if Corporation):

By:_____ Name of Corporate Officer

Its: _____

APPENDIX B – CALTRANS ENCROACHMENT PERMIT

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPO	Page 1 of 4		
STANDARD ENCROACHMENT PERMIT APPLICATION			FOR CALTRANS USE
TR-0100 (REV 12/2018)			TRACKING NO.
Complete <u>ALL</u> fields, write "N/A" if not applicable. This application is not complete until all requirement			DIST/CO/RTE/PM
Permission is requested to encroach on the State H	-lighway right-of	-way as follows:	SIMPLEX STAMP
1. COUNTY	2. ROUTE	3. POST MILE	
San Luis Obispo	Hwy 1	SLO 17.221 & 17.108	
4. ADDRESS OR STREET NAME	5. CITY		
Highway 1 at Meinecke and Murray	San Luis Obisj	ро	
6. CROSS STREET (Distance and direction from p	roject site)		DATE OF SIMPLEX STAMP
Meinecke and Murray			
7. WORK TO BE PERFORMED BY	8. IS THIS APP	PLICATION FOR THE CON	ITRACTOR'S (DOUBLE) PERMIT?
APPLICANT CONTRACTOR	🖾 NO	YES. If "YES", provide	e the Parent Permit Number
9. ESTIMATE START DATE	10. ESTIMATE	ED COMPLETION DATE	
8/1/2022	3/1/2023		
11. ESTIMATED NUMBER OF WORKING DAYS	Y		
0			
12. ESTIMATED CONSTRUCTION COSTS WITH	IN STATE HIGH	IWAY RIGHT-OF-WAY	
0			
13. HAS THE PROJECT BEEN REVIEWED BY AN	NOTHER CALTI	RANS BRANCH?	
⋈ NO ☐ YES. If "YES", which branch?			
14. FUNDING SOURCE(S)			
FEDERAL STATE LOCAL PRIV	/ATE 🗌 SB 1	(ROAD REPAIR AND ACC	COUNTABILITY ACT OF 2017)
15. CALTRANS PROJECT CODE (ID)		16. APPLICANT'S RE	EFERENCE / UTILITY WORK ORDER NUMBER
		91639	
17. DESCRIBE WORK TO BE DONE WITHIN STA			,
Attach 6 complete sets of plans (folded to 8.5"	x 11") and anv a	applicable specifications, ca	lculations, maps, traffic control plans, etc.

The scope of work within the State R/W is traffic control heading into the work zone. Traffic control signs will be needed to be installed in the State's R/W to warn motorists of construction ahead along Santa Rosa (Highway 1) at Meinecke and Murray.

18 (a). PORTION OF STATE HIGHWAY RIGHT-OF-WAY WHERE WORK IS BEING PROPOSED (check all that apply)							
□ Traffic lane □ Shoulder □ Sidewalk □ Median ⊠ At or near an intersection □ Mobile work							
□ Outside of the shoulder, feet from edge of pavement □ Other							
18 (b). PROPOSED TRAFFIC CONTROL PLANS AND METHOD							
□ No traffic control needed □ State Standard Plans (T-Sheets) #							
□ Project specific Traffic Control Plans included ⊠ To be submitted by contractor							

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							Page 2 of 4
STANDARD TR-0100 (REV 12/2	ENCROACHN 018)	IENT PERMI	F APPLICATIO	ON	TRAC	CKING NO.	
19.		. ,	AVG. WIDTH (in)			CE TYPE (e.g.	Asphalt, concrete, soil, etc.)
EXCAVATION	N/A	N/A	N/A	N/A	N/A		
20.		G TRANSPORTED	-			CASING PIPE	
PIPES	N/A			(in.) MATERIAL		DIAMETER	(in.) MATERIAL
PROPOSED INS N/A	TALLATION METH	HOD (e.g. HDD, Bo	ore & Jack, Open C	sut, etc.)		VOLTAGE	/ PSIG
DOES THE PRO	POSED PROJECT	INVOLVE THE R	EPLACEMENT AN	D/OR ABANDON	IMENT O	F AN EXISTIN	G FACILITY?
	If "YES", provide	a description					
21. IS A CITY, C	OUNTY OR OTHE	R PUBLIC AGENC	Y INVOLVED IN T	HE APPROVAL	OF THIS I	PROJECT?	
XES (if "YES"	', check the type of	project AND attac	h the environmenta	al documentation	and condi	tions of approv	val)
	CIAL DEVELOPME		G 🗌 GRADING				
🛛 CATEGOF	RICALLY EXEMPT	NEGATIVE D	ECLARATION] ENVIRONMEN	TAL IMPA	CT REPORT	
□ NO (if "NO", o	check the category	below which best o	describes the proje	ct AND answer q	uestions A	- -К)	
	Y OR ROAD APPF ANCE OR RESURI		TRUCTION,		FENC	E 🗌 EROS	SION CONTROL
🗌 PUBLIC U	TILITY MODIFICA	TION, EXTENSION	NS, HOOKUPS			BOX 🗌 LANE	DSCAPING
🗌 FLAGS, S	IGNS, BANNERS,	DECORATIONS, F	PARADES AND CE	ELEBRATIONS		R	
The following qu	uestions must be	answered when a	City, County or o	ther public agen	icy IS NO	T involved in t	the approval of this project.
Your answers to	these questions will	l assist Caltrans sta	aff in identifying any	/ physical, biologic	cal, social	or economic re	esources that may be affected

D. Will the proposed project generate construction noise levels greater than 86 decibels (dBA) (e.g. Jack-hammering, pile driving)?

by your proposed project within State Highway right-of-way and to determine which type of environmental studies may be required to approve your application for an encroachment permit. It is the applicant's responsibility for the production of all required environmental documentation and supporting studies and in some cases this may be costly and time consuming. If possible, attach photographs of the location of the proposed

E. Will the proposed project incorporate land from a public park, recreation area or wildlife refuge open to the public?

project. Answer these questions to the best of your ability. Provide a description of any "YES" answers (type, name, number, etc.).

B. Are there waterways (e.g. river, creek, pond, natural pool or dry streambed) adjacent to or within the limits of the proposed project?

A. Will any existing vegetation and/or landscaping within State Highway right-of-way be disturbed?

F. Are there any recreational trails or paths within the limits of the proposed project?

G. Will the proposed project impact any structures, buildings, rail lines or bridges within State Highway right-of-way?

H. Will the proposed project impact access to any businesses or residences?

C. Is the proposed project located within five miles of the coast line?

I. Will the proposed project impact any existing public utilities or public services?

J. Will the proposed project impact any existing pedestrian facilities, such as sidewalks, crosswalks or overcrossings?

K. Will new lighting be constructed within or adjacent to State Highway right-of-way?

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
STANDARD ENCROACHMENT PERMIT APPLICATION
TR-0100 (REV 12/2018)

TRACKING NO.

Page 3 of 4

22. Will the proposed project cause a substantial change in the significance	· · · · · · · · · · · · · · · · · · ·
or cultural resource?	☐ YES ⊠ NO (if "YES", provide a description)
23. Will the proposed project be on an existing State Highway or street whe	
significant tree or stand of trees, a rock outcropping or a historic buildir	ıg) ☐ YES ⊠ NO (if "YES", provide a description)
24. Is work being done on the applicant's property in addition to State Highway	right-of-way? X YES NO
	(If "YES", attach 6 complete sets of site and grading plans)
25. Will the proposed project require the disturbance of soil?	□ YES ⊠ NO
If "YES", estimate the area of disturbed soil within State Highway right-of-	way in acres:
and estimate the area of disturbed soil outside State Highway right-of-v	way in acres:
26. Will the proposed project require dewatering?	
If "YES", estimate Total gallons AND gallons/month. (Tot	tal gallons) AND (gallons/month)
SOURCE*: STORMWATER NON-STORMWATER	
(*See Caltrans SWMP for definition of non-storm water discharge: <u>http</u>	://www.dot.ca.gov/env/stormwater/)
27. How will any storm water or ground water be disposed?	
Storm Drain System 🔲 Combined Sewer / Stormwater System] Stormwater Retention Basin ⊠ N/A
☐ Other (explain)	
· · /	

READ THE FOLLOWING CLAUSES PRIOR TO SIGNING THIS ENCROACHMENT PERMIT APPLICATION.

The applicant's submission of this application to the California Department of Transportation constitutes the applicant's agreement and representation that the work or other activity contemplated by the encroachment permit application shall comply with all applicable standards, specifications, policies, requirements, conditions, and regulations of the California Department of Transportation, and the applicant understands the application may be denied if there is non-compliance with any of the above. An exception process exists and may result in approval of a non-compliant encroachment, in the discretion of the California Department of Transportation, but the exception process may require additional time to complete. The applicant understands and agrees all work or other activity contemplated by the encroachment permit application is subject to inspection and oversight by the California Department of Transportation. The applicant understands and agrees encroachment permit fees must still be paid if an application is withdrawn or denied. The applicant understands a denial may be appealed, in accordance with California Streets and Highways Code, Section 671.5, and the related regulations found in California Code of Regulations, Title 21, Division 2, Chapter 8, Article 2.

The applicant understands and agrees that immediately upon issuance of the encroachment permit the applicant is bound by, subject to, and must comply with the "Encroachment Permit General Provisions" (TR-0045), "Stormwater Special Provisions" (TR-0400) and any other applicable Special Provisions and Conditions of the encroachment permit. The "Encroachment Permit General Provisions" (TR-0045), and the Stormwater Special Provisions (TR-0400) are available at: http://www.dot.ca.gov/trafficops/ep/docs/Appendix_K_(WEB).pdf. If a paper copy is needed of the "Encroachment Permit General Provisions" (TR-0045) and/or "Stormwater Special Provisions" (TR-0400), please contact the District Office of Encroachment Permits. Their contact information is available at: http://www.dot.ca.gov/trafficops/ep/docs/Appendix_K_(WEB).pdf. If a paper copy is needed of the "Encroachment Permit General Provisions" (TR-0045) and/or "Stormwater Special Provisions" (TR-0400), please contact the District Office of Encroachment Permits. Their contact information is available at: http://www.dot.ca.gov/trafficops/ep/docs/Appendix_G_WEB.pdf. The "Encroachment Permit General Provisions" (TR-0045) and any other applicable Special Provisions and Conditions will be provided as part of the encroachment permit. Information about Stormwater requirements is available at the Internet address: http://www.dot.ca.gov/hq/construc/stormwater/.

The applicant understands an encroachment permit may be denied, revoked, and/or a bond may be required, for non-payment of prior or present encroachment permit fees. An encroachment permit is not a property right and does not transfer with the property to a new owner. Each of the persons purporting to execute this application on behalf of the applicant and/or on behalf of the applicant's authorized agent or engineer represents and warrants such person has full and complete legal authority to do so and to thereby bind applicant to the terms and conditions herein and to the terms and/or conditions of the encroachment permit. Applicant understands and agrees this application may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Executed copies of this application and/or its counterparts may be reproduced and/or exchanged by copy machine, mailing, facsimile, or electronic means (such as e-mail), and such copies shall be deemed to be effective as originals.

28. NAME OF APPLICANT (Project or Property Owner or Organizat	ion)	
HAI NGUYEN, ENGINEER, CITY OF SAN LUIS OBISPO		
ADDRESS OF APPLICANT (Include City, State and Zip Code)		
919 PALM STREET, SAN LUIS OBISPO, CA 93401		
E-MAIL ADDRESS	PHONE NUMBER	FAX NUMBER
HNGUYEN@SLOCITY.ORG	(805) 781-7108	
29. NAME OF AUTHORIZED AGENT / ENGINEER		IS A LETTER OF
(A "Letter of Authorization" is required if different from #28)		AUTHORIZATION ATTACHED?
		🗌 YES 🖾 NO
ADDRESS OF AUTHORIZED AGENT / ENGINEER (Include Cit	ty, State and Zip Code)	
E-MAIL ADDRESS	PHONE NUMBER	FAX NUMBER
30. NAME OF BILLING CONTACT (Same as #28 🛛 Same as #2	9 🗌)	
BILLING ADDRESS WHERE INVOICE(S) IS / ARE TO BE MAI	LED (Include City, State and Zip	o Code)
E-MAIL ADDRESS	PHONE NUMBER	FAX NUMBER
* I hereby certify under penalty of perjury under the laws of the State		
submitted with or in support of this application are true and correct		
submitted with or in support of this application are true and correct		
provided information that is false, intentionally incomplete, or misle	ading I may be charged with a o	crime and subjected to fine or imprisonment,
or both fine and imprisonment. (Penal Code Section 72)		
31. SIGNATURE OF APPLICANT OR AUTHORIZED AGENT*	32. PRINT OR TYPE NAM	E
Hai Januer	HAI NGUYEN	
33. TITLE	1	34. DATE
ENGINEER III		3/21/2022

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APPENDIX C – GEOTECHNICAL REPORTS

4378 Old Santa Fe Road | San Luis Obispo, CA 93401 | Ph: 805.544.3276 | www.earthsystems.com

April 3, 2020

FILE NO.: 303603-002

Mr. Hai Nguyen, PE City of San Luis Obispo Department of Public Works 919 Palm Street San Luis Obispo, CA 93401

Earth Systems

PROJECT: CITY OF SAN LUIS OBISPO SEWER LINE REPLACEMENT PROJECT MEINECKE AVE, CHORRO ST AND MURRAY AVE SAN LUIS OBISPO, CALIFORNIA

SUBJECT: Subsurface Condition Report – Sewer Line Replacement Project

Mr. Nguyen:

The purpose of this report is to summarize the subsurface conditions represented by the three borings drilled on March 25, 2020 on Meinecke Avenue, Chorro Street and Murray Avenue.

SCOPE OF SERVICES

The scope of services as requested by the client was to perform three borings drilled to a maximum depth of 10 feet using a six-inch hollow stem auger.

It is our intent that this report be used exclusively by the client in the preparation of plans and specifications. Application beyond this intent is strictly at the user's risk.

FIELD INVESTIGATION AND LABORATORY ANALYSIS

On March 25, 2020, three exploratory borings were drilled at various streets with a Mobile B-53 drill rig equipped with a 6-inch diameter solid stem auger, with an automatic hammer for sampling. The borings were drilled to a maximum depth of approximately 10 feet below the existing ground surface (bgs) at the site. Soils encountered in the borings were categorized and logged in general accordance with the Unified Soil Classification System and ASTM D 2488-17. Where bedrock was encountered, its properties were described based upon observation of the auger cuttings and the effort required to drill into the bedrock. Logs of the borings are attached, along with a Boring Log Legend. In reviewing the boring logs and legend, the reader should recognize that the legend is intended as a guideline only, and there are a number of conditions that may influence the characteristics observed during drilling. These include, but are not limited to, the presence of cobbles or boulders, cementation, variations in soil moisture, presence of



City of SLO Sewer Line Replacement Chorro, Murray, and Meinecke Street San Luis Obispo, California

groundwater, and other factors. It should also be noted that the descriptions of bedrock must span a much wider range of density and strength characteristics than soil and are relative to other bedrock strata. For example, weathered bedrock may be described as "soft," yet it will be considerably harder than almost any type of soil. Conversely, a clay soil may be described as "hard," however, it will not be nearly as hard as even "soft" bedrock such as the sandstone encountered at the site. Consequently, the logger must exercise judgment in interpreting soil characteristics, possibly resulting in soil descriptions that vary from the legend.

2

GENERAL SUBSURFACE PROFILE

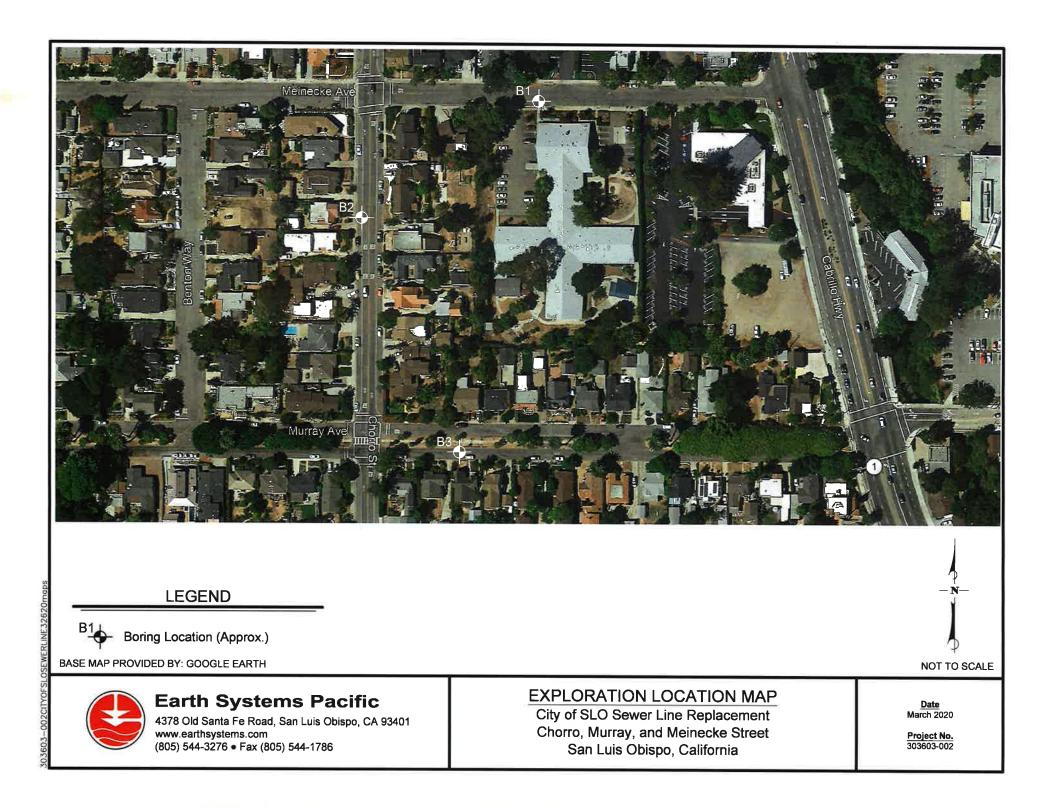
Boring 1 was drilled on Meinecke Avenue, and fat clay as encountered to the full depth of 10 feet below ground surface. Groundwater was encountered at a depth of 8 feet. Boring 2 was drilled on Chorro Street, and it's subsurface profile was comprised of sandy lean clay to a depth of 3 feet below the ground surface followed by soft, moderately weathered sandstone to the maximum explored depth of 10 feet. Boring 3 was drilled on Murray Avenue and had a subsurface profile of sandy lean clay to 2.5 feet bgs on top of soft, moderately weathered sandstone.

If you have any questions or require additional information, please contact me at your convenience.

PROFESSI Sincerely, **Earth Systems Pacific** Fxn Robert Down, PE Sydney Johnson TATE Associate Engineer Project Manager Boring Location Map (1 page Attachments: Boring Logs (3 pages)

Doc. No.:

2003-073.RPT/pm





Earth Systems Pacific

LOGGED BY: S. Hemmer DRILL RIG: Mobile B-53 with Automatic Hammer AUGER TYPE: 6" Hollow Stem

Image: Second		S		CITY OF SLO SEWER LINE REPLACEMENT	SAMPLE DA			ΟΑΤΑ	ТА	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DEPTH (feet)	SCS CLAS	SYMBOL	Chorro, Murray, and Meinecke Street San Luis Obispo, California	ERVAL (feet)	MPLE YPE	DENSITY (pcf)	STURE (%)	OWS R 6 IN	
CH FAT CLAY: black, soft, very moist (Alluvium) 1.0 - 5.0 dark brown, medium stiff dark olive brown End of Boring @ 10.0' Subsurface water encountered @ 8.0'		۳ ۱			INT .)	SA SA	DRY I	IOW	E BL	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 22 23 24 25 -	CH		5.0" AC FAT CLAY: black, soft, very moist (Alluvium) dark brown, medium stiff wet, dark olive brown		0			2 3	

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.

Boring No. 1

PAGE 1 OF 1 JOB NO.: 303602-002 DATE: 3/25/20



Earth Systems Pacific

LOGGED BY: S. Hemmer DRILL RIG: Mobile B-53 with Automatic Hammer AUGER TYPE: 6" Hollow Stem

	s		CITY OF SLO SEWER LINE REPLACEMENT		SA	MPLE [DATA	
DEPTH (feet)	USCS CLASS	SYMBOL	Chorro, Murray, and Meinecke Street San Luis Obispo, California	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
	۳ ۲		SOIL DESCRIPTION	N N N N N N N N N N N N N N N N N N N	'S	DRY	WO	8 8
-0 - 1 - 2	CL		4.0" AC / Fabric / 4" AC SANDY LEAN CLAY: brown, soft, moist (Alluvium)					
3 4 - 5 - 6			SANDSTONE: yellow brown, very soft, moist, moderately weathered (Franciscan Melangé)					26 43 50/5"
7 			dark yellow brown, slightly moist					
10 = 11 12 13 14 15 16 - 17 18 - 19 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 25 - 25 -			End of Boring @ 10.0' No subsurface water encountered					
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.

Boring No. 2

PAGE 1 OF 1 JOB NO.: 303602-002 DATE: 3/25/20



Earth Systems Pacific

LOGGED BY: S. Hemmer DRILL RIG: Mobile B-53 with Automatic Hammer AUGER TYPE: 6" Hollow Stem

	ŝ		CITY OF SLO SEWER LINE REPLACEMENT		SA	MPLE	DATA	
DEPTH (feet)	USCS CLASS	SYMBOL	Chorro, Murray, and Meinecke Street San Luis Obispo, California	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
	ŝ		SOIL DESCRIPTION	N L	SA	DRY I ((MOI	BL
	CL		3.0" AC / 4" AB SANDY LEAN CLAY: brown, soft, moist (Alluvium)					
		\square						
2 3 4			SANDSTONE: dark yellow brown, very soft, moist, moderately weathered (Franciscan Melangé)					16
5 6 7								35 47
- 8 - 9 -			light brown, soft					
10			End of Boring @ 10.0'					
11			No subsurface water encountered					
12								
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.

Boring No. 3

PAGE 1 OF 1 JOB NO.: 303602-002 DATE: 3/25/20 APPENDIX D – POLYMER FRAME AND COVER

2400 Series Cover and Frame Assembly





BOM

PART #

CDM240110

CDM240143

DESCRIPTION

-Materials Fiber Reinforced Polymer

-Proof Load

H-25 (50,000 LB) / D400 (400kN)

- -Open Àrea
- n/a

-Coating

Undipped

- V Designates Machined Surface

Weight

Cover - 24 lbs. Frame - 22 lbs.

Certification

- H25 Proof Load per AASHTO M306-10 - D400 Proof load per EN124

-Country of Origin: USA

Lock Option

TwistLIFT®

*TwistLIFT is a registered trademark of Titus Industrial Group

*TwistLIFT iSecurity Handle sold separately (EJ# COMCOT30)

Drawing Revision

4/11/2016 Designer: MAH Revised By:

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact 800 626 4653 ejco.com

