

Colton Joint Unified School District

Frank Miranda, Ed.D., Superintendent

Gregory Fromm, Assistant Superintendent, Business Services Division

Owen Chang, Director of Facilities and Energy Management



BUSINESS SERVICES DIVISION

FACILITIES AND ENERGY MANAGEMENT

Commitment to Equal Opportunity

ADDENDUM NO. 01 - TRANSPORTATION YARD – INFRASTRUCTURE IMPROVEMENTS BID NO. 26-29FAC

Project Location:

451 North 3rd Street, Colton, California, 92324

Department:

Facilities and Energy Management
325 Hermosa Avenue, Building 5,
Colton, CA 92324

DATE OF ISSUANCE

June 10, 2026



TRANSPORTATION YARD – INFRASTRUCTURE IMPROVEMENTS
BID NO. 26-29FAC
ADDENDUM NO. 01

Issuance Date: June 10, 2026

Addendum No. 01 comprises ‘changes’ to Bid Documents (Bid Form, Drawings), responses to Pre-Bid Clarifications 001 thru 010, found in sections I, II, III, IV, V, and VI, and additional Bid Documents (Reports, HazMat Survey Reports, HazMat Specifications, Site Map) found in APPENDICES A, B, C, D, and E.

The following documents are provided to prospective bidders:

- I. ADDENDUM NO. 01 - MASTER FILE INDEX**
- II. BID FORM (REDLINE CLOUD CHANGES)**
- III. BID FORM (REVISED - INCLUSIVE OF ALLOWANCES)**
- IV. PRE-BID CLARIFICATIONS (RESPONSES) – 001 THRU 010**
- V. DRAWINGS (REDLINE CLOUDED CHANGES)**

- a. A Separate Electronic File:

[DRAWINGS -REDLINES CLOUDED-ADDENDUM 01-2026-06-10](#)

- VI. DRAWINGS (UPDATED BID SET)**

- a. A Separate Electronic File:

[DRAWINGS - UPDATED BID SET-ADDENDUM 01-2026-06-10](#)

ADDITIONAL BID DOCUMENTS (REPORTS, ADDITIONAL HAZMAT SPECIFICATIONS, SITE MAP)

APPENDICES

APPENDIX A - TOPOGRAPHIC SURVEY

APPENDIX B - UNDERGROUND UTILITY LOCATOR – REPORT

APPENDIX C - HAZMAT SURVEY REPORTS (ASBESTOS, LEAD-BASED PAINT)

APPENDIX D - HAZMAT SPECIFICATIONS

APPENDIX E – SITE MAP (WITH LEGEND DEPICTING WORK AREAS)



I. ADDENDUM NO. 01 - MASTER FILE INDEX

*The Addendum No. 01 -Master Drawing; Bid Documents Index is
found in the next FOUR (4) pages.*

-



I. ADDENDUM NO. 01 - MASTER FILE INDEX

ADDENDUM NO. 01

BID NO. 26-29FAC

TRANSPORTATION YARD - INFRASTRUCTURE IMPROVEMENTS

COLTON JOINT UNIFIED SCHOOL DISTRICT

JUNE 10, 2026

SHEET NO.	SHEET NAME		ADDENDUM NO. 01
I.	ADDENDUM NO. 01 - MASTER FILE INDEX		X
II.	BID FORM (REDLINE CLOUDED CHANGES)		X
III.	BID FORM (REVISED INCLUSIVE OF ALLOWANCES)		X
IV.	PRE-BID CLARIFICATIONS (RESPONSES) - 001 THRU 010		X



V. DRAWINGS (REDLINE CLOUDED CHANGES)

ADDENDUM NO. 01

BID NO. 26-29FAC

TRANSPORTATION YARD - INFRASTRUCTURE IMPROVEMENTS

COLTON JOINT UNIFIED SCHOOL DISTRICT

JUNE 10, 2026

SHEET NO.	SHEET NAME		REDLINE; CLOUDED; 06/09/2026
DRAWINGS			
GENERAL			
G-1	TITLE SHEET & SHEET INDEX		X
CIVIL			
C-1.0	TITLE SHEET		X
C-2.0	DEMOLITION SITE PLAN		X
C-3.0	GRADING PLAN		X
C-4.0	DETAILS & SECTIONS		X
C-5.0	EROSION CONTROL PLAN		X
ARCHITECTURE			
AS-1.0	DEMOLITION SITE PLAN		X
AS-1.1	FIRE ACCESS PLAN, OVERALL SITE PLAN		X
AS-2.0	ENLARGED SITE PLAN		X
AS-2.1	ENLARGED SITE PLANS		X
ARCHITECTURE DETAILS			
ASD-1.0	SITE DETAILS		X
ASD-2.0	GATE & FENCE DETAILS		X
ELECTRICAL			
E1	ELECTRICAL NOTES AND SYMBOLS LIST		
E2	POWER SITE PLAN		
E3	SINGLE LINE DIAGRAM		X
	TOTAL SHEET (WITH CHANGES) - 13; (NO CHANGES) - 2		

NOTE: The above Drawings are provided in a separate electronic file entitled:

[DRAWINGS - REDLINES CLOUDED - ADDENDUM NO. 01-2026-06-10](#)



VI. DRAWING (UPDATED BID SET)

ADDENDUM NO. 01

BID NO. 26-29FAC

TRANSPORTATION YARD - INFRASTRUCTURE IMPROVEMENTS

COLTON JOINT UNIFIED SCHOOL DISTRICT

JUNE 10, 2026

SHEET NO.	SHEET NAME	IFB - FINAL BID DOCUMENTS (5/18/2026)	ADDENDUM No. 01 (6/10/2026)
DRAWINGS			
GENERAL			
G-1	TITLE SHEET & SHEET INDEX	X	X
CIVIL			
C-1.0	TITLE SHEET	X	X
C-2.0	DEMOLITION SITE PLAN	X	X
C-3.0	GRADING PLAN	X	X
C-4.0	DETAILS & SECTIONS	X	X
C-5.0	EROSION CONTROL PLAN	X	X
ARCHITECTURE			
AS-1.0	DEMOLITION SITE PLAN	X	X
AS-1.1	FIRE ACCESS PLAN, OVERALL SITE PLAN	X	X
AS-2.0	ENLARGED SITE PLAN	X	X
AS-2.1	ENLARGED SITE PLANS	X	X
ARCHITECTURE DETAILS			
ASD-1.0	SITE DETAILS	X	X
ASD-2.0	GATE & FENCE DETAILS	X	X
ELECTRICAL			
E1	ELECTRICAL NOTES AND SYMBOLS LIST	X	X
E2	POWER SITE PLAN	X	X
E3	SINGLE LINE DIAGRAM	X	X
	TOTAL SHEET COUNT - 15		

NOTE: The above Drawings are provided in a separate electronic file entitled:

[DRAWINGS - UPDATED BID SET - ADDENDUM NO. 01-2026-06-10](#)



APPENDICES

ADDENDUM NO. 01

BID NO. 26-29FAC

TRANSPORTATION YARD - INFRASTRUCTURE IMPROVEMENTS

COLTON JOINT UNIFIED SCHOOL DISTRICT

JUNE 10, 2026

SHEET NO.	SHEET NAME	IFB - FINAL BID DOCUMENTS (5/18/2026)	ADDENDUM No. 01 (6/10/2026)
APPENDICES			
A	TOPOGRAPHIC SURVEY	X	X
B	UNDERGROUND UTILITY LOCATOR REPORT	X	X
C	HAZMAT SURVEY REPORTS (ASBESTOS, LEAD BASED PAINT)	X	X
D	HAZMAT SPECIFICATION	X	X
E	SITE MAP (WITH LEGEND DEPICTING WORK AREAS)	X	X



II. BID FORM (REDLINE CLOUDED CHANGES)

The Bid Form (Redline, Clouded Changes) is found on the following page. Change is to a single page only.,

TO: Colton Joint Unified School District, acting by and through its Governing Board, herein called "District".

1. Pursuant to and in compliance with your Notice Inviting Bids and other documents relating thereto, the undersigned bidder, having familiarized himself with the terms of the Contract, the local conditions affecting the performance of the Contract, the cost of the work at the place where the work is to be done, with the Drawings and Specifications, and other Contract Documents, hereby proposes and agrees to perform within the time stipulated, the Contract, including all of its component parts, and everything required to be performed, including its acceptance by the District, and to provide and furnish any and all labor, materials, tools, expendable equipment, and utility and transportation services necessary to perform the Contract and complete all of the Work in a workmanlike manner required in connection with the construction of:

BID NO. 26-29FAC

TRANSPORTATION YARD – INFRASTRUCTURE IMPROVEMENTS

in the District described above, all in strict conformance with the drawings and other Contract Documents on file at the Purchasing Office of said District for amounts set forth herein.

2. BIDDER ACKNOWLEDGES THE FOLLOWING ADDENDUM:

Number	Number	Number	Number	Number	Number	Number	Number
_____	_____	_____	_____	_____	_____	_____	_____

Acknowledge the inclusion of all addenda issued prior to bid in the blanks provided above. Your failure to do so may render your bid non-responsive.

3. TOTAL CASH PURCHASE PRICE IN WORDS & NUMBERS:

_____ DOLLARS

(\$ _____)

3.A ALLOWANCE – UNFORESEEN CONDITIONS

An unforeseen conditions allowance in the amount of seventy thousand dollars (\$70,000) is established and should be included in the compilation to derive 3. Total Cash Purchase Price.

3.B. ALLOWANCE – CITY OF COLTON – PERMIT FEES

A permit-fees allowance in the amount of thirty thousand dollars (\$30,000) is established to cover any permit fees incurred by the Contractor related to the issuance of building permit with the City of Colton and should be included in the compilation to derive 3. Total Cash Purchase Price.

4. TIME FOR COMPLETION: The District may give a Notice to Proceed within **one hundred five (105) days** of the award of the bid by the District. Once the Contractor has received the Notice to Proceed, the Contractor shall complete the work in the time specified in the Agreement. By submitting this bid, Contractor has thoroughly studied this Project and agrees that the Contract Time for this Project is adequate for the timely and proper completion of the Project. Further, Contractor has included in the analysis of the



III. BID FORM (REVISED, INCLUSION OF ALLOWANCES)

*The Bid Form (inclusive of Allowances) is found on the following
FIVE (5) pages.*

BID FORM

FOR

TRANSPORTATION YARD – INFRASTRUCTURE IMPROVEMENTS

COLTON JOINT UNIFIED SCHOOL DISTRICT

PROJECT LOCATION:

451 NORTH 3RD STREET, COLTON, CALIFORNIA, 92324

Bid Number 26-29FAC

FOR

COLTON JOINT UNIFIED SCHOOL DISTRICT

CONTRACTOR
NAME:

ADDRESS:

TELEPHONE:

() _____

EMAIL

TO: Colton Joint Unified School District, acting by and through its Governing Board, herein called "District".

1. Pursuant to and in compliance with your Notice Inviting Bids and other documents relating thereto, the undersigned bidder, having familiarized himself with the terms of the Contract, the local conditions affecting the performance of the Contract, the cost of the work at the place where the work is to be done, with the Drawings and Specifications, and other Contract Documents, hereby proposes and agrees to perform within the time stipulated, the Contract, including all of its component parts, and everything required to be performed, including its acceptance by the District, and to provide and furnish any and all labor, materials, tools, expendable equipment, and utility and transportation services necessary to perform the Contract and complete all of the Work in a workmanlike manner required in connection with the construction of:

BID NO. 26-29FAC

TRANSPORTATION YARD – INFRASTRUCTURE IMPROVEMENTS

in the District described above, all in strict conformance with the drawings and other Contract Documents on file at the Purchasing Office of said District for amounts set forth herein.

2. BIDDER ACKNOWLEDGES THE FOLLOWING ADDENDUM:

Number	Number	Number	Number	Number	Number	Number	Number
_____	_____	_____	_____	_____	_____	_____	_____

Acknowledge the inclusion of all addenda issued prior to bid in the blanks provided above. Your failure to do so may render your bid non-responsive.

3. TOTAL CASH PURCHASE PRICE IN WORDS & NUMBERS:

_____ DOLLARS

(\$ _____)

3.A ALLOWANCE – UNFORESEEN CONDITIONS

An unforeseen conditions allowance in the amount of seventy thousand dollars (\$70,000) is established and should be included in the compilation to derive 3. Total Cash Purchase Price.

3.B. ALLOWANCE – CITY OF COLTON – PERMIT FEES

A permit-fees allowance in the amount of thirty thousand dollars (\$30,000) is established to cover any permit fees incurred by the Contractor related to the issuance of building permit with the City of Colton and should be included in the compilation to derive 3. Total Cash Purchase Price.

4. TIME FOR COMPLETION: The District may give a Notice to Proceed within **one hundred five (105) days** of the award of the bid by the District. Once the Contractor has received the Notice to Proceed, the Contractor shall complete the work in the time specified in the Agreement. By submitting this bid, Contractor has thoroughly studied this Project and agrees that the Contract Time for this Project is adequate for the timely and proper completion of the Project. Further, Contractor has included in the analysis of the

time required for this Project, Rain Days, Governmental Delays, and the requisite time to complete Punch List.

In the event that the District desires to postpone giving the Notice to Proceed beyond this ninety (90) day period, it is expressly understood that with reasonable notice to the Contractor, giving the Notice to Proceed may be postponed by the District. It is further expressly understood by the Contractor, that the Contractor shall not be entitled to any claim of additional compensation as a result of the postponement of giving the Notice to Proceed.

If the Contractor believes that a postponement will cause a hardship to it, the Contractor may terminate the contract with written notice to the District within ten (10) days after receipt by the Contractor of the District's notice of postponement. Should the Contractor terminate the Contract as a result of a notice of postponement, the District shall have the authority to award the Contract to the next lowest responsible bidder, if applicable.

It is understood that the District reserves the right to reject any or all bids and/or waive any irregularities or informalities in this bid or in the bid process. The Contractor understands that it may not withdraw this bid for a period of ninety (90) days after the date set for the opening of bids.

5. Attached is bid security in the amount of not less than ten percent (10%) of the bid:

Bid bond (10% of the Bid), certified check, or cashier's check (circle one)

6. The required List of Designated Subcontractors is attached hereto.

7. The required Non-Collusion Declaration is attached hereto.

8. The Substitution Request Form is attached hereto.

9. It is understood and agreed that if written notice of the acceptance of this bid is mailed, emailed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the District a Contract in the form attached hereto in accordance with the bid as accepted, and that he or she will also furnish and deliver to the District the Performance Bond, Payment Bond, Agreement Form, and all other required documents all within five (5) calendar days after award of Contract, and that the work under the Contract shall be commenced by the undersigned bidder, if awarded the Contract, by the start date provided in the District's Notice to Proceed, and shall be completed by the Contractor in the time specified in the Contract Documents.

10. The names of all persons interested in the foregoing proposal as principals are as follows:

(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state the legal name of such corporation, as well as the names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state the true names of the firm, as well as the names of all individual co-partners comprising the firm; if bidder or other interested person is an individual, state the first and last names in full.)

11. PROTEST PROCEDURES. If there is a bid protest, the grounds shall be submitted as set forth in the Instructions to Bidders.

12. The undersigned bidder shall be licensed and shall provide the following California Contractor's license information:

License Number: _____

License Expiration Date: _____

Name on License: _____

Class of License: _____

DIR Registration Number: _____

If the bidder is a joint venture, each member of the joint venture must include the above information.

13. Time is of the essence regarding this Contract, therefore, in the event the bidder to whom the Contract is awarded fails or refuses to post the required bonds and return executed copies of the Agreement Form and all other required documents within five (5) calendar days from the date of receiving the Notice of Award, the District may declare the bidder's bid deposit or bond forfeited as damages. Should Contractor fail to provide all required documents within this five-day time specified, or after any extension provided by the District in its sole discretion and in writing, the District may, in its sole discretion, elect to reduce the Contract Time for each calendar day beyond the time specified above or any extension that Contractor fails to provide all required documents. Such reduction in the Contract Time shall be made through a no cost unilateral change order that Contractor shall not dispute, and Contractor further agrees to waive all rights to dispute or otherwise challenge the unilateral change order and reduction in the Contract Time as such delays were caused by and are the sole responsibility of the Contractor.

14. The bidder declares that he/she has carefully examined the location of the proposed Project, that he/she has examined the Contract Documents, including the Plans, General Conditions, Supplementary General Conditions, Addenda, and Specifications, all others documents and requirements that are attached to and/or contained in the Project Manual, all other documents issued to bidders and read the accompanying instructions to bidders, and hereby proposes and agrees, if this proposal is accepted, to furnish all materials and do all work required to complete the said work in accordance with the Contract Documents, in the time and manner therein prescribed for the unit cost and lump sum amounts set forth in this Bid Form.

15. DEBARMENT. In addition to seeking remedies for False Claims under Government Code section 12650 *et seq.* and Penal Code section 72, the District may debar a Contractor pursuant to the General Conditions if the Board, or the Board may designate a hearing officer who, in his or her discretion, finds the Contractor has done any of the following:

- a. Intentionally or with reckless disregard, violated any term of a contract with the District;

b. Committed an act or omission which reflects on the Contractor's quality, fitness or capacity to perform work for the District;

c. Committed an act or offense which indicates a lack of business integrity or business honesty;
or

d. Made or submitted a false claim against the District or any other public entity. (See Government Code section 12650, *et seq.*, and Penal Code section 72)

16. DESIGNATION OF SUBCONTRACTORS. In compliance with the Subletting and Subcontracting Fair Practices Act (California Public Contract Code section 4100 *et seq.*) and any amendments thereof, each bidder shall list subcontractors on the District's form Subcontractor list. This subcontractor list shall be submitted with the bid and is a required form

I agree to receive service of notices at the e-mail address listed below.

I, the below-indicated bidder, declare under penalty of perjury that the information provided and representations made in this bid are true and correct.

Proper Name of Company

Name of Bidder Representative

Street Address

City, State, and Zip

()
Phone Number

E-Mail

By: _____ Date: _____
Signature of Bidder Representative

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

All signatures must be made in permanent ink.



IV. PRE-BID CLARIFICATIONS (RESPONSES) 001 THRU 010

*The Pre-Bid Clarifications (Pre-Bid RFIs) are found in the next
Eleven (11) pages.*

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjustd.net rduncan@eci-team.com

DATE:	05-18-2026		
FROM:	[REDACTED]	EMAIL:	[REDACTED]
DOCUMENT/DIVISION NUMBER:	N/A	DRAWING NUMBER:	N/A

REQUESTED CLARIFICATION:

- When is the tentative start date of the project?
- How much is the engineer's estimate?
- Is there an allowance for unforeseen circumstances?

RESPONSE TO CLARIFICATION:

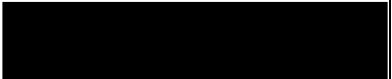
The tentative start date for construction is July 7, 2026.
 See attached Engineer's estimate.
 Yes, there is an Allowance for unforeseen conditions in the amount of \$70,000, to be included in the Bid Amount.
 There is also an Allowance for 'City of Colton - Permitting Fees' in the amount of \$30,000, to be included in the Bid Amount.

Colton Unified Transportation Yard 351 N. 3rd Street, Colton, CA 					
ITEM	QUANTITY	UNIT	DESCRIPTION OF ITEMS WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE	TOTAL
1	155	LF	Construct 6" Curb per City Stds	\$13.00	\$2,015
2	22,569	SF	Construct 4" AC over 8" Class II Base	\$2.00	\$45,138
3	1,800	SF	Construct Retaining Wall Per Arch Detail	\$80.00	\$144,000
4	24	EA	Construct 4' long Wheel Stop	\$200.00	\$4,800
5	2,082	LF	Paint 4" wide White Parking Stall Stripe	\$1.00	\$2,082
6	677	SF	Construct Concrete V-ditch	\$9.00	\$6,093
7	2	EA	Construct Precast or Cast in Place Concrete Drop Inlet	\$2,500.00	\$5,000
8	1	LS	Paint Blue accessible Parking Lines and Markings	\$500.00	\$500
9	1	LS	Paint NO PARKING areas with 4" White Lines	\$500.00	\$500
10	1,844	SF	Construct 4" PCC over Aggregate Base	\$2.00	\$3,688
11	85	SF	Construct ADA Truncated Domes	\$95.00	\$8,075
12	8	LF	Construct 0" Curb per City Stds	\$10.00	\$80
Subtotal Total Engineer's Estimate					\$221,971
Contingency 10%					\$22,197
Probable Opinion of Estimated Construction Cost					\$244,168
NOTE:					

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjusd.net rduncan@eci-team.com

DATE:	06/01/2026		
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	C2.0

REQUESTED CLARIFICATION:
Sheet C2.0 (Demolition Plan) scale is showing 1"=40', while the dimension on the sheet is reading as 1"=20', please verify the correct scale.
RESPONSE TO CLARIFICATION:
Sheet C2.0 is drawn at a scale of 1"=20'. The scale has been updated in the latest plot. D. Dixon - Rick Engineering, 6/8/2026.

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjusd.net rduncan@eci-team.com

DATE:	June 2, 2026		
	Type text here [REDACTED]		Type text here [REDACTED]
FROM:	[REDACTED]	EMAIL:	[REDACTED]
DOCUMENT/DIVISION NUMBER:	32 31 13	DRAWING NUMBER:	ASD-2.0

REQUESTED CLARIFICATION:
The gate access detail 24/ASD-2.0 calls for a keypad for access. Spec 32 31 13, 2.04, 5. Access calls for remote & proximity reader. There are different costs & applications for each. Please clarify which application is desired / required.
RESPONSE TO CLARIFICATION:
Access will be remote and proximity reader, to match existing controls on Bus entry side of the site. Detail updated and is reflected on sheet ASD-2.0 Detail 24, specification is correct. B.Jester RCA 06/05/26

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjustd.net rduncan@eci-team.com

DATE:	June 2, 2026		
	Type text here [REDACTED]		Type text here [REDACTED]
FROM:	[REDACTED]	EMAIL:	[REDACTED]
DOCUMENT/DIVISION NUMBER:	33 41 00	DRAWING NUMBER:	ASD-1.0

REQUESTED CLARIFICATION:
Detail 23/ASD-1.0 calls for a 4" perforated pipe where occurs. Connect to storm drain, see Civil drawing. We find no SD called out on the Civil drawings. Is there a 4" pipe the full length of the retaining wall? Or just the cored 4" pipe that day-lites to the drop inlet? Please clarify this scope of the work.
RESPONSE TO CLARIFICATION:
There is no perforated pipe and the callout has been removed from detail 23 sheet ASD-1.0. For associated drainage see civil sheets C-3.0 and C-4.0. Head out condition in detail 23 on sheet ASD-1.0 allows for additional drainage. BJester RCA 06/08/26

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjustd.net rduncan@eci-team.com

DATE:	June 2, 2026		
	Type text here [REDACTED]		Type text here [REDACTED]
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:	32 31 13	DRAWING NUMBER:	ASD-2.0

REQUESTED CLARIFICATION:
Detail 2/ASD-2.0, Chain Link Schedule calls for footings @ a 6' high fence to be 8" or 10" diameter x 2'-6" deep footing (standard for most CL fences). Detail 3/ASD-2.0 calls for an 18" diameter x 3'-6" deep footing which seems excessive for a 6' high fence. Please clarify footing size to be used @ 6' fence.
RESPONSE TO CLARIFICATION:
Fencing is to match the height of existing fence panels. Existing fence is 10' high and new fencing should match existing. Footing dimensions should match the required footing perimeters for a 10' Chain Link fence. Details have been updated, see sheet ASD-2.0 Details 3, 4, and 5. B.Jester RCA 06/05/26

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjUSD.net rduncan@eci-team.com

DATE:	June 2, 2026		
	Type text here [REDACTED]		Type text here [REDACTED]
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:	General Conditions	DRAWING NUMBER:	

REQUESTED CLARIFICATION:
Per the General Conditions 3.6.1 regarding permit fees & AHJ; Does the general contractor secure & pay the permit? We contacted the City and attempted to get permit costs & they are not aware of this project. Since we cannot determine the permit cost will the District reimburse the contractor for these costs? Or does this come out of the project allowance? Please advise.
RESPONSE TO CLARIFICATION:
Permits and Fees shall be paid out of an Allowance established specifically for "City of Colton - Permit Fees".

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjustd.net rduncan@eci-team.com

DATE:	06/05/2026		
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	AS-1.1

REQUESTED CLARIFICATION:

On plan page # AS-1.1, the Site Plan Legend it has a callout for new landscape to match native. At the held job walk it was observed that the surrounding are which is native was nothing but dirt and weeds. Per the legend we are to match the area disturbed to this. Is there any landscape required for this area and if so please advise as to what the District would like to have done?

RESPONSE TO CLARIFICATION:

Site plan legend on sheet AS-1.1 has been updated and revised remove the word native in replaced with grass. Legend has been updated on sheet AS-1.1 and as-2.0.

B.Jester RCA 06/05/26

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjustd.net rduncan@eci-team.com

DATE:	06/05/2026		
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:	04 20 00	DRAWING NUMBER:	ASD-1.0

REQUESTED CLARIFICATION:

1. Please clarify the thickness of the CMU wall on this project. 23/ASD-1.0 shows what appears to be a 12" wide CMU wall. CMU Wall Cap detail 21/ASD-1.0 calls out a 10" wide cap but there is a measurement on the top of the detail showing the cap and wall is 8" wide.
2. Please clarify CMU color and finish or confirm Gray Precision CMU is acceptable. 16/ASD-1.0 indicates this information can be found on ID-1.4 however this sheet is not included.

RESPONSE TO CLARIFICATION:

1. Detail 23 on sheet ASD-1.0 has been updated to clarify block thickness. All associated CMU details have been updated to reflect both 8" block and 12" block. Per City of Colton retaining wall requirements the base of a 6' wall has to be 12" block up to 2'
2. A note has been added on CMU Detail 16/ASD-1.0. The basis of design is Orco Block, color - Gray LW Precision.

BJester RCA 06/08/26

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjustd.net rduncan@eci-team.com

DATE:	6/8/2026		
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:	1-51-22	DRAWING NUMBER:	c-3.0

REQUESTED CLARIFICATION:
Please provide Geotech or Soil Report
RESPONSE TO CLARIFICATION:
No such reports are to be provided.

PRE-BID CLARIFICATION FORM (For Contractor's Use)

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form

PROJECT NAME:	TRANSPORTATION YARD – INFRASTRUCTURE PROJECT		
BID NUMBER:	26-29FAC		
TO:	Jay Kim Randy Duncan	EMAIL:	Jay_kim@cjsd.net rduncan@eci-team.com

DATE:	6/8/2026		
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:	1-51-22	DRAWING NUMBER:	c-3.0

REQUESTED CLARIFICATION:
American Precast Concrete recently completed a turnkey project for the City of Rancho Santa Margarita and is currently specified on the City of Gilroy. Our precast retaining wall system has been accepted as an approved equal to CMU retaining wall construction. We respectfully request consideration of our engineered precast retaining wall system as an approved equal for this project. Our system includes engineer-stamped, permit-ready calculations and drawings and provides comparable strength, durability, and appearance to traditional CMU walls. In addition, precast construction can reduce field labor requirements, shorten construction schedules, and may provide overall project cost savings. Please advise if our precast retaining wall system will be accepted as an approved equal for bidding purposes.
RESPONSE TO CLARIFICATION:
The District will not consider a precast concrete wall system as an "or equal" substitute for the specified CMU wall system during the bidding phase. Bidders shall base their bids on the materials and systems specified in the Contract Documents. Requests for substitution may be considered after contract award in accordance with the Contract Documents and applicable substitution procedures. B.Jester RCA 06/09/26



V.DRAWINGS (REDLINE CLOUDED CHANGES)

Refer to Separate Electronic File entitled –
DRAWINGS -REDLINES CLOUDED-ADDENDUM 01-
2026-06-10.



VI. DRAWINGS (UPDATED BID SET)

Refer to Separate Electronic File entitled:
DRAWINGS -UPDATED BID SET-ADDENDUM 01-2026-06-10.

Colton Joint Unified School District

Frank Miranda, Ed.D., Superintendent

Gregory Fromm, Assistant Superintendent, Business Services Division

Owen Chang, Director of Facilities and Energy Management



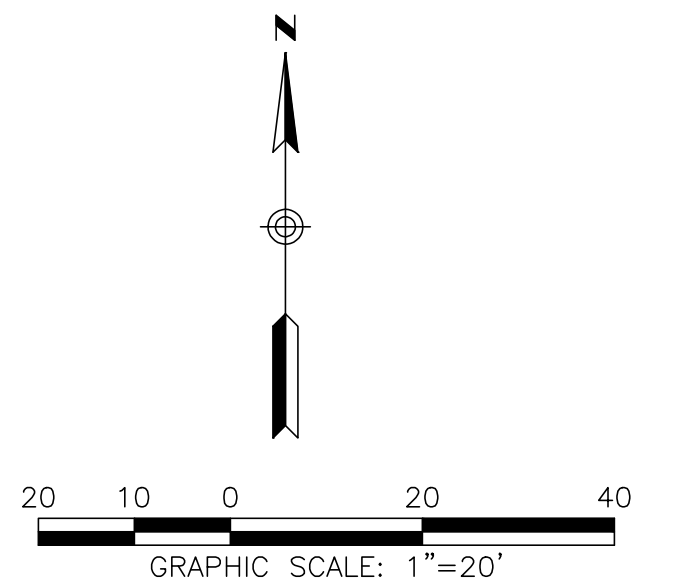
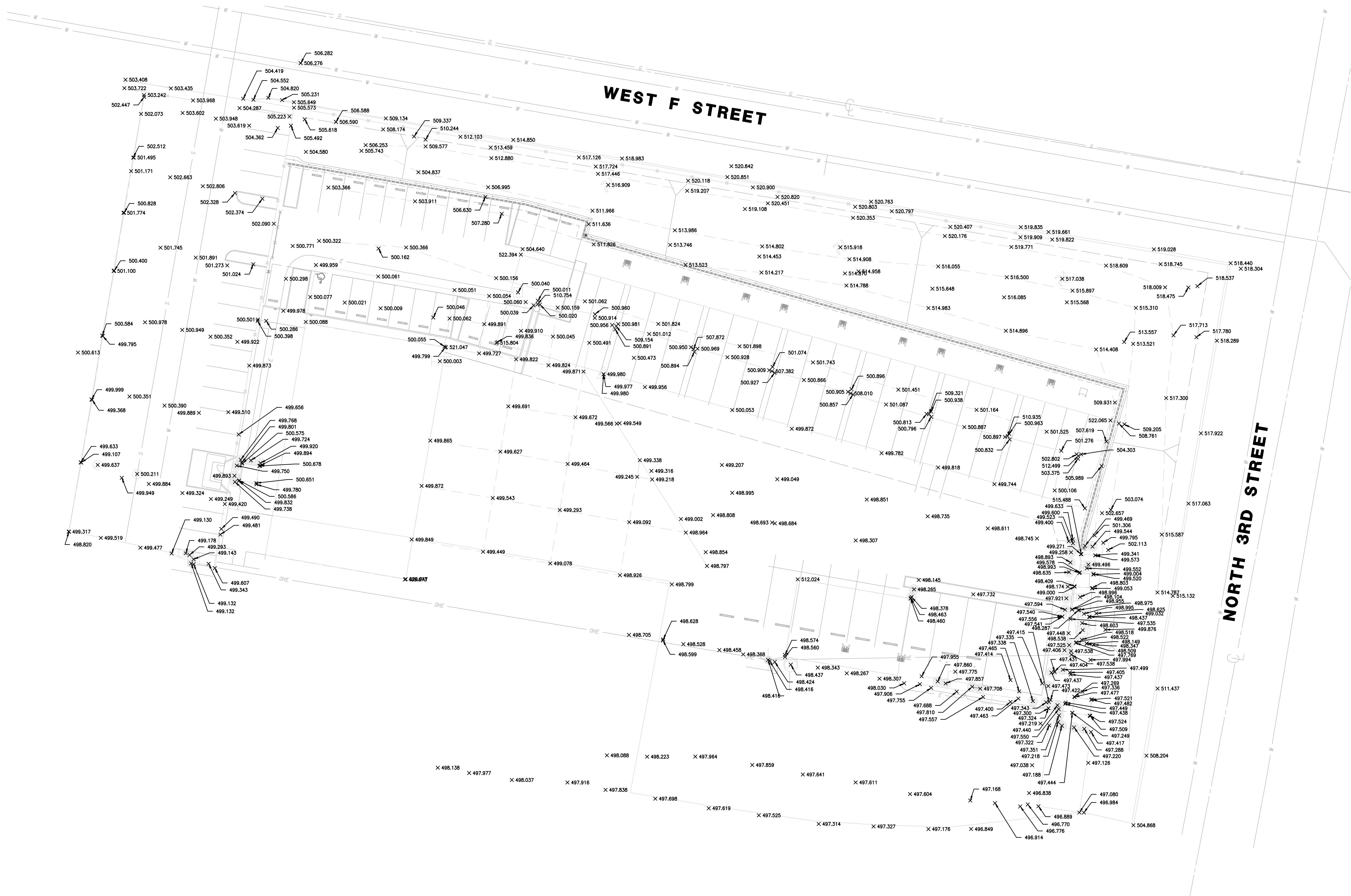
APPENDICES



APPENDIX A - TOPOGRAPHIC SURVEY REPORT

The Topographic Survey Report is found on the next page .

C:\BIC\Projects\20550\20557 - Topo.dwg - plotted by: sscuz ON 2026-06-09 @ 17:51 - c:\three-rs-v2.ctb © 2026 Rick Engineering Company



RICK
1770 IOWA AVENUE, SUITE 100
RIVERSIDE, CA 92507
951-782-0707
rickengineering.com

CUSD TRANSPORTATION YARD
TOPO SURVEY
PROJECT NO: 20557 SCALE: 1"=20'
DRAWN BY: ROG/SAC DATE: 6/9/2026



APPENDIX B - UNDERGROUND UTILITY LOCATOR – REPORT

*The Underground Utility Locator Report is found on the following
TWO (2) pages.*

UNDERGROUND UTILITY MAP

WITHIN THE CITY OF COLTON, COUNTY OF SAN BERNADINO, CALIFORNIA

PREPARED FOR:

RICK ENGINEERING

UTILITY QUALITY LEVELS NOTES

INFORMATION PROVIDED PER AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD ASCE/UESI/CI 38-22

UTILITY QUALITY LEVEL A

QUALITY LEVEL A BUILDS ON QLB INFORMATION BY CONFIRMING THE EXISTENCE, EXACT LOCATION, AND OTHER ATTRIBUTES OF SUBSURFACE UTILITIES THROUGH EXPOSURE OF THE UTILITY USING SAFE EXCAVATING PRACTICES. QLA DATA ARE DETERMINED BY PHYSICALLY EXPOSING AN UNOBSERVABLE UTILITY FEATURE OR UTILITY SEGMENT (ESSENTIALLY MAKING IT OBSERVABLE) AND DOCUMENTING ITS SPATIAL EXTENT AND CHARACTERISTICS WITH A HIGH DEGREE OF ACCURACY.

UTILITY QUALITY LEVEL B

QUALITY LEVEL B DATA ARE DETERMINED BY CORRELATING APPROPRIATE GEOPHYSICAL INTERPRETATIONS INDICATING A UTILITY SEGMENT OR UTILITY FEATURE WITH OTHER PERTINENT INFORMATION IN HAND TO DETERMINE THE BEST POSITIONAL DOCUMENTATION FOR THE UTILITY SEGMENT. THE DOCUMENTATION OF THE UTILITY SEGMENT DEPENDS ON THE GEOPHYSICAL EQUIPMENT USED FOR THE INVESTIGATION, INTERPRETATION OF THE GEOPHYSICS, THE HORIZONTAL INTERPRETED POSITION, AND REDUCTION OF THE RESULTING DATA INTO THE DELIVERABLE.

UTILITY QUALITY LEVEL C

QUALITY LEVEL C DATA ARE DETERMINED BY CORRELATING UNDERGROUND UTILITY SEGMENTS FROM EXISTING SECOND-PARTY INFORMATION TO OBSERVABLE AND MEASURABLE VISIBLE UTILITY FEATURES. QUALITY LEVEL C DOES NOT REFER TO THE UTILITY FEATURE OR PORTION OF THE UTILITY SEGMENT THAT IS VISIBLE. IT REFERS TO THE UNOBSERVABLE PORTION OF THE UTILITY FEATURE OR UTILITY SEGMENT THAT CONNECTS TO VISIBLE SURVEYED UTILITY FEATURES. QUALITY LEVEL C INFORMATION CONFIRMS THE EXISTENCE, GENERAL LOCATION, ATTRIBUTES, AND, WHERE APPLICABLE, DIRECTION OF SUBSURFACE UTILITY ASSETS THAT CAN AT LEAST BE PARTIALLY VIEWED OR INFERRED WITHOUT EXCAVATION

UTILITY QUALITY LEVEL D

UTILITY QUALITY LEVEL D (QLD) INFORMATION IS DETERMINED PRIMARILY FROM THE REVIEW AND DOCUMENTATION OF EXISTING SECOND PARTY INFORMATION, SUCH AS UTILITY RECORDS, HISTORICAL PROJECT RECORDS, PERMITS, VERBAL ACCOUNTS, EXISTENCE OF SERVICE, VISUAL INDICATORS, AND/OR ONE-CALL MARKINGS, PUT INTO CONTEXT WITH ANY OTHER INFORMATION THE PROFESSIONAL HAS IN THEIR POSSESSION DURING A UTILITY INVESTIGATION

UTILITY NOTES

- FACILITIES (UTILITY LINES) SHALL BE LOCATED AND MARKED PRIOR TO EXCAVATION. CALL (800) 90-BELOW.
- CONTRACTOR SHALL HAND-EXPOSE TO A POINT OF NO CONFLICT 24" ON EITHER SIDE OF THE UNDERGROUND FACILITY, REGARDLESS OF THE ESTIMATED DEPTH.
- DEPTHS SHOWN ARE APPROXIMATE. ESTIMATED DEPTHS ARE FROM THE GROUND SURFACE TO THE CENTER OF THE FACILITY, INVERT OF WASTE LINES, OR TO THE FACILITY TRACER WIRE. DEPTH ESTIMATES SHOULD BE USED WITH CAUTION AND MAY VARY ALONG THE LENGTH OF THE FACILITY.
- UTILITY BRACKETS ARE SHOWN TO DEMONSTRATE MULTIPLE LINES TRAVELING TOGETHER IN EITHER A DUCTBANK OR BUNDLE.
- THE SCOPE OF THIS UTILITY DEPICTION DOES NOT INCLUDE FACILITY SIZE OR NUMBER OF CONDUIT IN MULTIPLE CONDUIT RUNS. IRRIGATION LINES ARE NOT INCLUDED IN THIS UTILITY DEPICTION.
- THE BACKGROUND SITE PLAN USED IN PREPARING THIS MAP WAS PREPARED BY OTHERS AND PROVIDED TO CERTERRA BY THE CLIENT. CERTERRA MAKES NO REPRESENTATION AS TO THE ACCURACY OF THE PLAN.
- IN THE EVENT THE INFORMATION SHOWN IN THIS PLAN VARIES FROM THE ACTUAL SITE CONDITIONS, CERTERRA SHALL BE NOTIFIED WITHIN 24 HOURS AFTER DISCOVERY OF THE CONFLICT.

UNDERGROUND LINE LEGEND

UTILITY QUALITY LEVEL B:

ELECTRICAL	E
GAS	G
COMMUNICATION	C
WATER	W
SANITARY SEWER	SS
STORM DRAIN	SD
POSSIBLE LINE LOCATION, BASED ON GPR DETECTION	U
STREET LIGHT	SL
AIR	AIR
TRAFFIC SIGNAL	TS
FIRE WATER	FW
CHILLED WATER	CHW
HOT WATER	HW
RECLAIMED WATER	RW

UTILITY QUALITY LEVEL C:

ELECTRICAL	E
GAS	G
COMMUNICATION	C
WATER	W
SANITARY SEWER	SS
STORM DRAIN	SD
STREET LIGHT	SL
AIR	AIR
TRAFFIC SIGNAL	TS
FIRE WATER	FW
CHILLED WATER	CHW
HOT WATER	HW
RECLAIMED WATER	RW

UTILITY QUALITY LEVEL D:

ELECTRICAL	E
GAS	G
COMMUNICATION	C
WATER	W
SANITARY SEWER	SS
STORM DRAIN	SD
STREET LIGHT	SL
AIR	AIR
TRAFFIC SIGNAL	TS
FIRE WATER	FW
CHILLED WATER	CHW
HOT WATER	HW
RECLAIMED WATER	RW

KEY NOTES

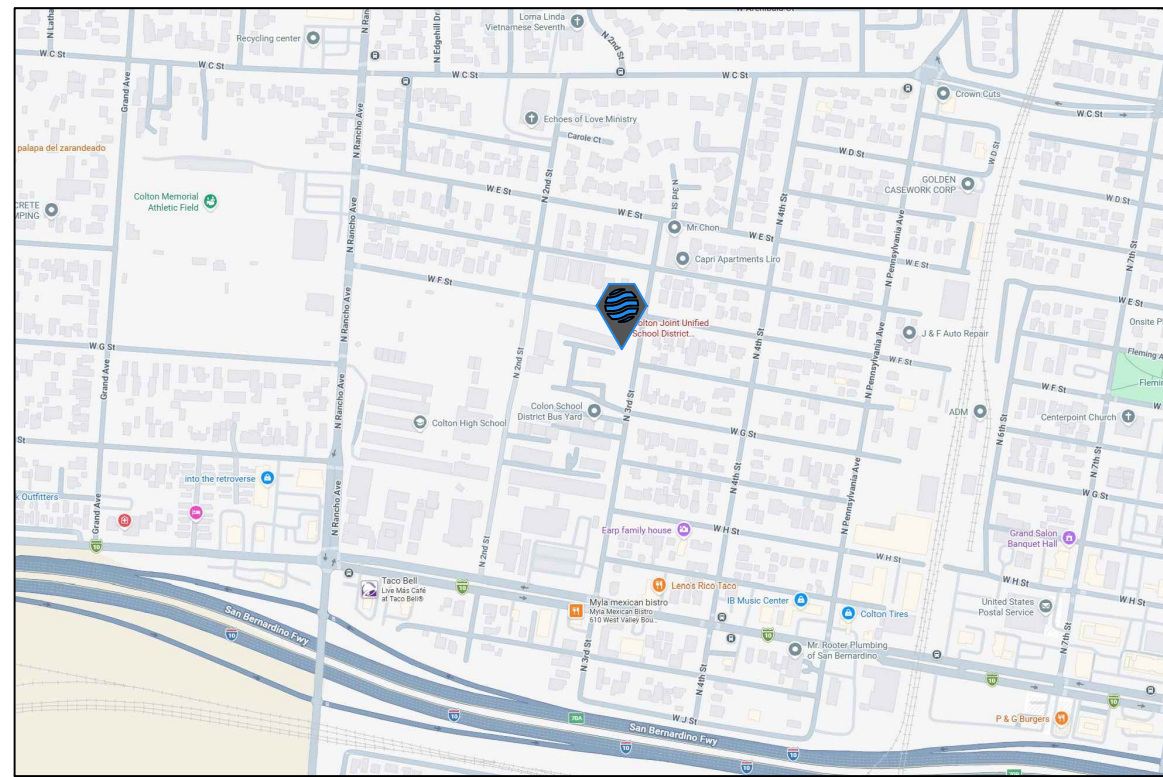
- NON-CONDUCTIVE, UNABLE TO LOCATE PAST THIS POINT.
- AT BUILDING
- AT DROP
- AT RISER

ABBREVIATIONS

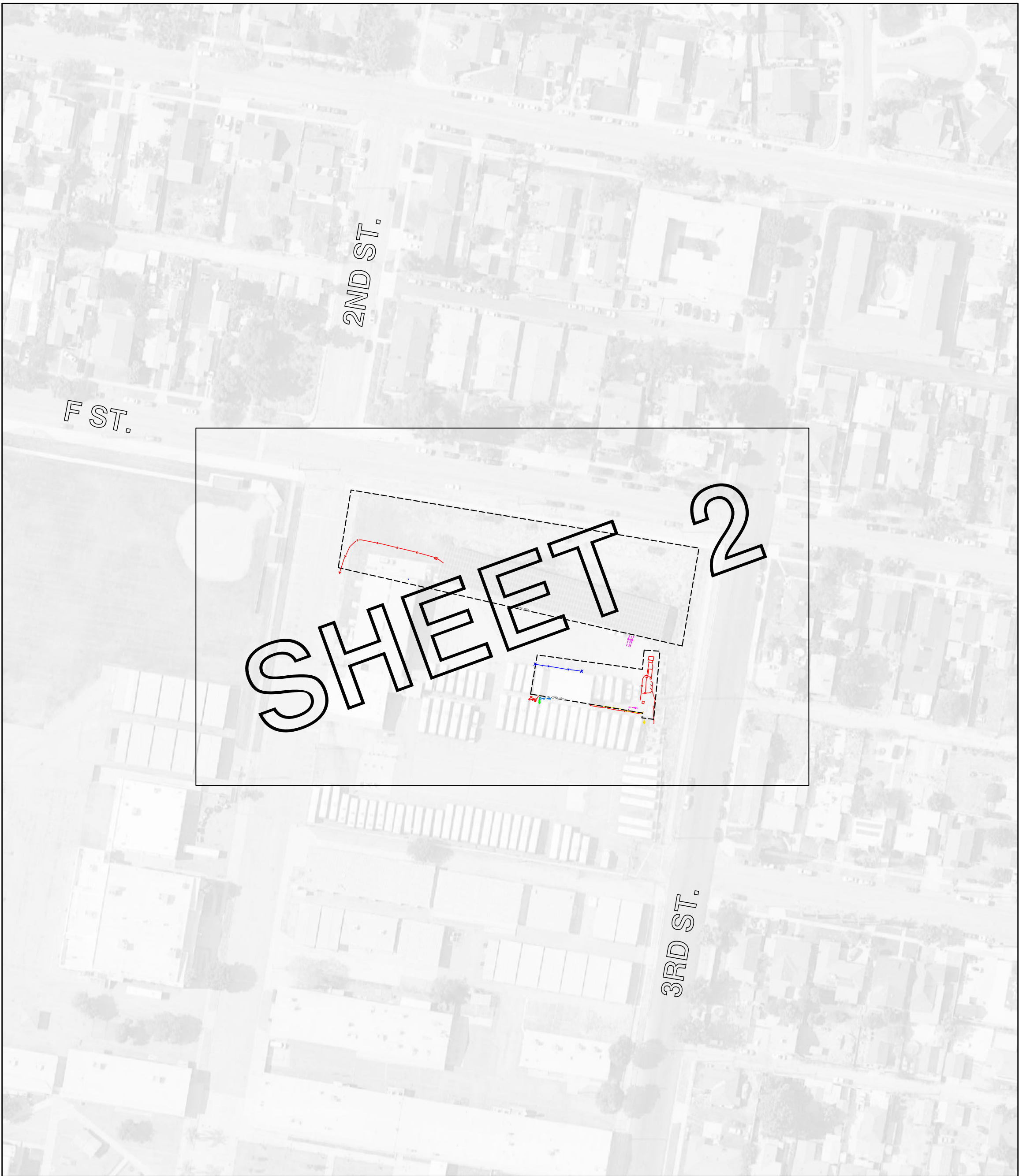
CO	CLEAN OUT
(C)	COMMUNICATION
(E)	ELECTRIC
(G)	GAS
(SD)	STORM DRAIN
(SS)	SANITARY SEWER
TRN	TRANSFORMER
(U)	UNKNOWN
(W)	WATER

LEGEND/SYMBOL

o	CLEAN OUT
1'-6"	DEPTH FROM SURFACE
—o—	POWER POLE
☐	PULL BOX
□	VAULT



VICINITY MAP
NOT TO SCALE



KEY MAP

NOT TO SCALE

NOTE:
BACKGROUND IMAGE IS FROM GOOGLE EARTH AND IS FOR REFERENCE ONLY.

NO BACKGROUND HAS BEEN PROVIDED BY CLIENT. ONCE BACKGROUND IS PROVIDED UTILITY MAP WILL BE UPDATED

UTILITY DEPICTION

UNDERGROUND UTILITY LAYOUT SHOWN HEREON IS BASED ON SMARTNET NETWORK RTK CORRECTION

DRAWING SHEETS	
SHEET NO.	SHEET TITLE
1	COVER SHEET
2	UTILITY MAP



CERTERRA SUBSURFACE IMAGING
12130 SANTA MARGARITA COURT
RANCHO CUCAMONGA, CA 91730

P: 888-902-3569
F: 951-356-4830
www.cbelow.com

GROUND PENETRATING RADAR (GPR)
UTILITY LOCATING
RADIOGRAPHY
POT-HOLING
MAPPING

NOTES:

The services provided by CERTERRA, Inc. do not relieve the Client and/or property owner of the responsibility of having to comply with California Government Code §54216-4216.9. It is expressly understood by the Client and/or owner that CBSI services are not a substitute for compliance with California Code §54216-4216.9.

PROJECT:

PARTIAL UNDERGROUND UTILITY MAP FOR:
COLTON USD TRANSPORTATION YARD UTILITY MAP
451 N 3RD ST
COLTON, CA 92324

CLIENT:

RICK ENGINEERING
1770 IOWA AVENUE SUITE 100
RIVERSIDE, CA 92507

REVISIONS

NO	DATE	BY	DESCRIPTION

DATE LOCATED: 03/2026
DRAWN BY/DATE: MR 03/30/2026
TECHNICIAN
CHECK BY/DATE: B. TRAHAN
QC CHECKED BY/DATE: JV 03/30/2026
DRAWING NAME: COVER SHEET
PROJECT NO: 08-260392-0 SCALE: N.T.S.

SHEET 1 OF 2



NOTE:
BACKGROUND IMAGE IS FROM GOOGLE EARTH AND IS FOR REFERENCE ONLY.

NO BACKGROUND HAS BEEN PROVIDED BY CLIENT. ONCE BACKGROUND IS PROVIDED UTILITY MAP WILL BE UPDATED

SEE SHEET 1 FOR ABBREVIATIONS, LINE/ SYMBOL LEGENDS, KEY NOTES AND UTILITY NOTES

	CERTERRA SUBSURFACE IMAGING 12130 SANTA MARGARITA COURT RANCHO CUCAMONGA, CA 91730 P: 888-902-3569 F: 951-356-4830 www.cbelow.com	NOTES: The services provided by CERTERRA, Inc. do not relieve the Client and/or property owner of the responsibility of having to comply with California Government Code §54216-4216.9. It is expressly understood by the Client and/or owner that CBSI services are not a substitute for compliance with California Code §54216-4216.9.	PROJECT: PARTIAL UNDERGROUND UTILITY MAP FOR: COLTON USD TRANSPORTATION YARD UTILITY MAP 451 N 3RD ST COLTON, CA 92324	CLIENT: RICK ENGINEERING 1770 IOWA AVENUE SUITE 100 RIVERSIDE, CA 92507	<table><thead><tr><th colspan="4">REVISIONS</th></tr><tr><th>NO</th><th>DATE</th><th>BY</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	REVISIONS				NO	DATE	BY	DESCRIPTION																	<table><tr><td>DATE LOCATED: 03/2026</td><td rowspan="5">SHEET 2 OF 2</td></tr><tr><td>DRAWN BY/DATE: MR 03/30/2026</td></tr><tr><td>TECHNICIAN: B. TRAHAN</td></tr><tr><td>QC CHECKED BY/DATE: JV 03/30/2026</td></tr><tr><td>DRAWING NAME: UTILITY MAP</td></tr><tr><td>PROJECT NO: 08-260392-0</td><td>SCALE: 1" = 20'</td></tr></table>	DATE LOCATED: 03/2026	SHEET 2 OF 2	DRAWN BY/DATE: MR 03/30/2026	TECHNICIAN: B. TRAHAN	QC CHECKED BY/DATE: JV 03/30/2026	DRAWING NAME: UTILITY MAP	PROJECT NO: 08-260392-0	SCALE: 1" = 20'
REVISIONS																																						
NO	DATE	BY	DESCRIPTION																																			
DATE LOCATED: 03/2026	SHEET 2 OF 2																																					
DRAWN BY/DATE: MR 03/30/2026																																						
TECHNICIAN: B. TRAHAN																																						
QC CHECKED BY/DATE: JV 03/30/2026																																						
DRAWING NAME: UTILITY MAP																																						
PROJECT NO: 08-260392-0	SCALE: 1" = 20'																																					



APPENDIX C - HAZMAT SURVEY REPORT (ASBESTOS, LEAD-BASED PAINT)

*The Hazmat Survey Report (Asbestos, Lead-Based Paint)is found in
the next TWENTY-FOUR (24) pages.*

June 2, 2026

Owen Chang
Director of Facilities,
Planning and Construction
Colton Joint Unified School District
325 Hermosa Avenue, Building 5
Colton, CA 92324

via email: owen_chang@cjsd.net

RE: Asbestos and Lead Based Paint Survey
Transportation Yard – Infrastructure Improvement Project
451 N. 3rd Street, Colton, CA 92324
B2 Environmental Project #40007.0057

Dear Mr. Chang:

B2E was retained by the Colton Joint Unified School District to conduct an asbestos and lead based paint survey of suspect asbestos-containing materials (ACM) and suspect lead-based paint (LBP), at the Colton Joint Unified School District Transportation Yard, located at 451 N. 3rd Street, Colton, California. The asbestos and lead-based paint sampling was limited to the building structure that is scheduled for demolition and the asphalt and concrete paving areas scheduled for removal, as identified in the “Transportation Yard Infrastructure Improvement Colton Joint USD, 451 N. 3rd Street, Colton, CA 92324” drawings.

Survey Summary – Asbestos

On May 27, 2026, B2E inspector Marcus Jones, a California Certified Site Surveillance Technician (CSST#22-7178), under the direction of Raul Garcia, a California Certified Asbestos Consultant (CAC# 05-3783) collected ten (10) asbestos bulk samples of the asphalt and concrete paving materials. No suspect asbestos-containing materials were identified at the warehouse (“Barn”) structure.

Prior to sampling, B2E’s inspectors walked through the building areas, to verify which areas/materials would need to be investigated and sampled. B2E’s inspectors then identified homogeneous areas to facilitate a sampling strategy. Homogeneous area means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture. The actual number of samples collected from each homogeneous sampling area varies, dependent upon material type and the professional judgment of the inspectors.

B2E’s sampling strategy incorporated the Asbestos Hazard Emergency Response Act (AHERA) requirements, quantities of the suspect material, and the inspector’s judgment to aid in the identification of the suspect asbestos-containing material (ACM).

B2E’s sampling strategy was to identify and collect the accessible suspect ACM in accordance with the AHERA (40 CFR, Part 763, Subpart E) sampling protocols. Actual collection of a bulk asbestos sample involves physically removing approximately one square inch (1 in²) or more of the material and placing it in an airtight sample container marked with a unique identification number.



Eurofins Built Environment Testing West, LLC (NVLAP #600282-0) located at 931 Corporate Center Drive, Pomona, CA 91731 (833-465-5857) analyzed the asbestos bulk samples using polarized light microscopy (PLM). PLM analysis utilizes dispersion staining techniques (ref.: USEPA Method 600/R-93/116) to determine the asbestos content of the bulk samples collected at the site.

The following table is a summary of the suspect ACM that has been determined, through laboratory analysis and/or assumed, to contain asbestos:

COLTON JOINT UNIFIED SCHOOL DISTRICT TRANSPORTATION YARD ASBESTOS CONTAINING MATERIALS						
MATERIAL	LOCATION	SAMPLE NUMBER(s)	SCAQMD	FRIABLE ⁽¹⁾	QUANTITY ⁽²⁾	ASBESTOS CONTENT
No Asbestos-Containing Materials were identified within the defined scope of work						
SF = Square Feet, NA = Not Applicable, LF = Linear Feet ⁽¹⁾ Friable-The classification is based upon the existing material condition and/or the potential condition of the material to change when disturbed in accordance with applicable regulatory definitions. F=Friable NF=Non-Friable NF/F=Currently Non-Friable but becomes Friable when disturbed PACM – Presumed Asbestos-Containing Material – Presumed ACM until sampled and proven otherwise. ⁽²⁾ Actual Quantities should be field verified						

In accordance with the South Coast Air Quality Management District (SCAQMD) Rule 1403, any material that contains greater than one percent (1.0%) asbestos is considered an asbestos-containing material (ACM) and is categorized as either friable ACM or non-friable ACM. There are two categories of non-friable materials: Class I non-friable ACM and Class II non-friable ACM.

- Class I non-friable ACM is any asbestos-containing material that, when dry, can be broken, crumbled, pulverized, or reduced to powder in the course of demolition or renovation activities. Actions which may cause material to be broken, crumbled, pulverized, or reduced to powder include physical wear and disturbance by mechanical force, such as, but not limited to, sanding, sandblasting, cutting or abrading, improper handling or removal or leaching of matrix binders. Class I nonfriable asbestos-containing material includes, but is not limited to, fractured or crushed asbestos cement products, transite materials, mastic, roofing felts, roofing tiles, cement water pipes and resilient floor covering.
- Class II non-friable ACM is all other material containing more than one percent (1%) asbestos that is neither friable nor Class I non-friable.

Cal/OSHA assigns classes of work to materials, and activities in order to differentiate between the required work practices and engineering controls, including operations and maintenance, and custodial activities performed on or around ACM.

- Class I: activities involving the removal of TSI and surfacing ACM.
- Class II: activities involving the removal of ACM which is not TSI or surfacing material.



- Class III: repair and maintenance operations, in which ACM (including TSI, surfacing, and miscellaneous materials) is likely to be disturbed.
- Class IV: maintenance and custodial activities during which employees contact, but do not disturb ACM and activities to clean up dust, waste, and debris resulting from Class I, II, and III activities.

Any material that contains greater than one tenth of one percent (0.1%) but less than or equal to one percent (1.0%) asbestos ($>0.1\% \times \leq 1.0\%$) is considered by CAL/OSHA as asbestos containing construction material (ACCM). ACCM is to be handled by California DOSH asbestos registered contractors, employing asbestos certified workers, and supervisors.

The following table is a summary of the suspect ACM that has been determined, through laboratory analysis, to not contain asbestos:

COLTON JOINT UNIFIED SCHOOL DISTRICT TRANSPORTATION YARD		
NON-ASBESTOS CONTAINING MATERIALS		
MATERIAL	LOCATION	SAMPLE NUMBER
Black Asphalt Paving Core	Facility Parking Areas	1-1 to 1-5
Gray Concrete Paving Core	Facility Parking Areas, Inside Warehouse ("Barn")	2-1 to 2-5

Conclusions/Recommendations - Asbestos

As a result of the current survey, no asbestos-containing materials were identified at the areas surveyed, within the defined scope of work.

B2E recommends sampling of any suspect asbestos-containing material that may be disturbed by the renovation/demolition activities that have not been identified in this report or was not part of our scope of work.

B2E recommends that all asbestos-containing materials identified in this report that will be impacted by the renovation/demolition activities be properly abated in accordance with all federal, state, and local asbestos regulations, prior to the renovation activities.

Survey Summary - Lead

B2E's inspector, Armando Garcia, a California Department of Public Health, Certified Lead Sampling Technician (LRC# 00007469), performed lead-based paint testing using X-Ray Fluorescence (XRF) in situ analysis of painted building components utilizing a SciAps X-550, X Series Analyzer manufactured by SciAps. The XRF testing was conducted from selected building component surfaces coated with suspect lead-based paint for this assessment.



The lead inspection was accomplished by entering each room equivalent. A room equivalent is an identifiable part of a building, such as a room, hallway, staircase, foyer, or exterior. Sides in a room indicate sample locations; sides are determined in the following order. Side A is always the wall where the primary entry door is located; once side A has been determined, proceed in a clockwise direction for sides B, C, and D.

Visible color may not be an accurate predictor of painting history and is not included in the definition of a testing location. Each reading's location, physical conditions, accessibility, activity, and damage of suspect lead paint was also assessed and documented.

For reporting purposes, space designations were assigned to each functional space within the facilities using the pre-existing designation on the door or as indicated on the floor plans. Where neither was available, the space was labeled by the inspector and so indicated in the report. The following procedures were performed.

- A visual assessment to identify the location and type of building components suspected of containing lead-based paint within the scope of work.
- Obtain representative XRF readings from all painted building components within the scope of work.
- Present all test results in a written report including recommendation, locations, quantities, and laboratory results (when applicable).

All findings, recommendations, and XRF readings data presented in this report are based on the information (assessment and readings) obtained by our inspector during the survey.

The following table presents the components identified as being coated with Lead-Based Paint or presumed Lead-Based:

COLTON JOINT UNIFIED SCHOOL DISTRICT TRANSPORTATION YARD				
LEAD-BASED PAINT MATERIALS				
MATERIAL / COMPONENT ⁽¹⁾	COLOR(S)	LOCATION	TEST #	LEAD CONTENT (mg/cm ²)
Metal Conduits	Beige	Warehouse ("Barn") Building	64	2.72
Metal Conduits	Orange	Warehouse ("Barn") Building	65	2.11
⁽¹⁾ Materials/Components - LBP=Lead-Based Paint (≥ 0.7 mg/cm ²)				
*Milligrams per square centimeter (mg/cm ²)				

Details of sample testing are included in Appendix B, which contains a listing of tested materials, locations, and test results for the building components sampled. Results are reported in mg/cm².



Conclusions/Recommendations - Lead

Any paint or surface coating that contains ≥ 0.7 milligrams per square centimeter (mg/cm^2) is considered lead-based paint and must be managed during demolition and/or renovation. The paints listed above do not represent all painted building components at the site. The paints tested that do not contain lead in concentrations $\geq 0.7 \text{ mg}/\text{cm}^2$, may contain detectable amounts of lead. It is Cal-OSHA/OSHA's opinion that paint films and/or surface coatings containing any detectable concentration of lead should be viewed as a potential source of lead exposure and health hazard.

B2E recommends that surfaces/components with detectable lead levels identified in this report, and which may cause occupational exposures to lead, be properly removed (e.g., component removal) and/or stabilized in accordance with federal, state, and local lead paint regulations.

Building materials containing any detectable amounts of lead are regulated by OSHA and Cal/OSHA, and applicable work practices and prohibitions must be followed accordingly (29 CFR, 1926.62 - Lead in Construction, CCR Title 8 Section 1532.1).

Lead waste generated by renovation or demolition activities must be profiled and disposed of properly as required by the California Department of Toxic Substances Control, CCR Title 22, Division 4.5 (CA DTSC). Chemical Profile Tests, Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC) and/or Toxic Characteristic Leaching Procedure (TCLP) are to be performed on the waste containing lead generated by lead-related construction activities or assumed to be a federal hazardous waste.

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during B2E's inspection of the site. As the user of this report, the Client and respective contractors are advised of the following limitations on the information presented in this report.

1. This report is intended for the sole use of the Client. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.
2. B2E did not perform destructive sampling – it was not within B2E's scope of work to remove surface materials to investigate portions of the structure for materials that may lay beneath the surface – thus, any materials that could not be visually identified on the surface were not inspected and would not be noted in this report.
3. The asbestos and lead sampling was performed in a manner consistent with the level of care and skill ordinarily exercised by environmental professionals practicing contemporaneously under similar conditions in the area of the project in question. No other warranty, express or implied, is given and all other warranties are hereby expressly disclaimed. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.
4. This report is not a comprehensive site evaluation and should not be construed as such. Only the materials to be impacted by the current scheduled renovation/demolition activities at the building/areas surveyed are included in this report.



Thank you for this opportunity to be of service to the Colton Joint Unified School District. If you have any questions, please feel free to contact us at (626) 507-7161.

Sincerely,
B2 Environmental, Inc.



Raul Garcia
Regional Manager
California CAC #05-3783

Appendix A – Asbestos Laboratory Analytical Results
Appendix B - Sample Location Map
Appendix C – XRF Lead Data
Appendix D – Qualifications



APPENDIX A

ASBESTOS LABORATORY ANALYTICAL RESULTS



Report for:

Raul Garcia
B2 Environmental
1773 W San Bernardino Rd STE B28
West Covina, CA 91790

Regarding: Eurofins Built Environment Testing West, LLC
Project: 40007.0057; 451 North 3rd St, Colton, CA 92324
EML ID: 4552901

Approved by:

Dates of Analysis:
Asbestos PLM: 05-31-2026



Regional Laboratory Director
Carlos Rivadeneyra

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA 600/R-93-116, EBET-PLM-SOP83921)
NVLAP Lab Code 600282-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins Built Environment Testing West, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: B2 Environmental

Date of Sampling: 05-27-2026

C/O: Raul Garcia

Date of Receipt: 05-27-2026

Re: 40007.0057; 451 North 3rd St, Colton, CA 92324

Date of Report: 06-01-2026

ASBESTOS PLM REPORT

Total Samples Submitted: 10

Total Samples Analyzed: 10

Total Samples with Layer Asbestos Content > 1%: 0

Location: 1-1, [Asphalt Core Samples] Facility Parking Transportation Yard, NW - Parking Area

Lab ID-Version‡: 22935587-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity: Good	

Location: 1-2, [Asphalt Core Samples] Facility Parking Transportation Yard, Western - Parking Area

Lab ID-Version‡: 22935588-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity: Good	

Location: 1-3, [Asphalt Core Samples] Facility Parking Transportation Yard, NE - Parking Area

Lab ID-Version‡: 22935589-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity: Good	

Location: 1-4, [Asphalt Core Samples] Facility Parking Transportation Yard, SE - Parking Area

Lab ID-Version‡: 22935590-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity: Good	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

All components not quantified as asbestos content and non-asbestos content are considered to be non-fibrous matrix components. Matrix components may include, but are not limited to, gypsum, paint, silicate minerals, vinyl, binder, calcium carbonate, tar, and foam.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: B2 Environmental

Date of Sampling: 05-27-2026

C/O: Raul Garcia

Date of Receipt: 05-27-2026

Re: 40007.0057; 451 North 3rd St, Colton, CA 92324

Date of Report: 06-01-2026

ASBESTOS PLM REPORT

Location: 1-5, [Asphalt Core Samples] Facility Parking Transportation Yard, South - Parking

Lab ID-Version‡: 22935591-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity: Good	

Location: 2-1, [Concrete Core Samples] Transportation Yard Inside Barn & Facility Parking Area, West - Adjacent to Building E

Lab ID-Version‡: 22935592-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity: Good	

Location: 2-2, [Concrete Core Samples] Transportation Yard Inside Barn & Facility Parking Area, North - Parking Area

Lab ID-Version‡: 22935593-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity: Good	

Location: 2-3, [Concrete Core Samples] Transportation Yard Inside Barn & Facility Parking Area, South - Parking Area - Front of Barn

Lab ID-Version‡: 22935594-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity: Good	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

All components not quantified as asbestos content and non-asbestos content are considered to be non-fibrous matrix components. Matrix components may include, but are not limited to, gypsum, paint, silicate minerals, vinyl, binder, calcium carbonate, tar, and foam.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: B2 Environmental

Date of Sampling: 05-27-2026

C/O: Raul Garcia

Date of Receipt: 05-27-2026

Re: 40007.0057; 451 North 3rd St, Colton, CA 92324

Date of Report: 06-01-2026

ASBESTOS PLM REPORT

**Location: 2-4, [Concrete Core Samples] Transportation Yard Inside Barn & Facility
Parking Area, SW - Inside Barn - Along Exterior Wall**

Lab ID-Version‡: 22935595-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity: Good	

**Location: 2-5, [Concrete Core Samples] Transportation Yard Inside Barn & Facility
Parking Area, Center - Inside Barn Area**

Lab ID-Version‡: 22935596-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity: Good	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

All components not quantified as asbestos content and non-asbestos content are considered to be non-fibrous matrix components. Matrix components may include, but are not limited to, gypsum, paint, silicate minerals, vinyl, binder, calcium carbonate, tar, and foam.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: B2 Environmental

C/O: Raul Garcia

Re: 40007.0057; 451 North 3rd St, Colton, CA 92324

Date of Sampling: 05-27-2026

Date of Receipt: 05-27-2026

Date of Report: 06-01-2026

ASBESTOS PLM REPORT

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst



Analyst: Sojean Peou

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



004552901

ASBESTOS BULK SAMPLE SHEET / COC



B2 ENVIRONMENTAL

Page 1 of 2Client Name: Colton Joint Unified School DistrictProject Location: 451 North 3rd Street, Colton, CA 92324Date: 5/27/26Sampled By: Marcus Jones/Armando GarciaProject Number: 40007.0057Priority: 24 HR 72 HR X

Richard@b2e.com & rgarcia3@teamues.com

Analytical Method: PLM: X TEM: Other: Email to: BUILDING - Transportation Yard

HA NUMBER	SAMPLE NUMBER	MATERIAL DESCRIPTION (Size/Color)	SAMPLE LOCATION	MATERIAL LOCATIONS	Friable/ Non-Friable	QUANTITY
1	1	Asphalt Core Samples	NW- Parking AREA	Facility Parking (Transportation AREA) yard	NF	Approx 4889 sq/ft
↓	2	↓	Western- Parking AREA	↓	↓	↓
↓	3	↓	NE- Parking AREA	↓	↓	↓
↓	4	↓	SE- Parking AREA	↓	↓	↓
↓	5	↓	South- Parking	↓	↓	↓
2	1	Concrete Core Samples	West- Adjacent to Building E	Transportation Yard Inside Barn & facility Parking AREA	NF	Approx 4500 sq/ft
↓	2	↓	North- Parking AREA	↓	↓	↓
↓	3	↓	South- Parking AREA - front of BARN	↓	↓	↓
↓	4	↓	SW- Inside BARN - Along Exterior Wall	↓	↓	↓

NAME (Print and Sign)

Relinquished By:	Marcus Jones		Date:	<u>05/27/2026</u>	Time:	<u>09:20</u>
Received By:	Armando Garcia		Date:	<u>5/27/26</u>	Time:	<u>09:20</u>
Relinquished By:	Armando Garcia		Date:	<u>5/27/26</u>	Time:	<u>11:46am</u>
Received By:			Date:	<u>5/27/26</u>	Time:	<u>11:48A</u>

Page 2 of 2

BUILDING - Transportation Yard



004552901

NAME (Print and Sign)			
Relinquished By:	Marcus Jones		Date: 05/27/2026 Time: 09:20
Received By:	Armando Garcia		Date: 5/27/26 Time: 0920
Relinquished By:	Armando Garcia		Date: 5/27/26 Time: 1146AM
Received By:	Connor Byr		Date: 5/27/26 Time: 11:48A

East: (866) 871-1984
Central: (800) 651-4802
West: (866) 888-6653

LEVEL	WEATHER	Fog	Rain	Snow	Wind	Clear
	None					
	Light					
	Moderate					
	Heavy					

REQUESTED SERVICE

Non-Culturable		Culturable
Spore Trap	Tape, Swab, Bulk	BioCassette™ Andersen, SA Swab, Water, Bulk, Dust, Soil, Contact Plate

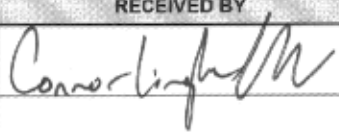
004552901

Other Requests

CONTACT INFORMATION		
Company:	B2 Environmental, Inc	Address: 1773 W. San Bernardino Rd. Suite B28, West Covina, CA 91790
Contact:	Richard Garcia - richard@b2e.com	Special Instructions:
Phone:	562-652-5500	Please attach copy of sample plot map with results

PROJECT INFORMATION		TURN AROUND TIME CODES - (TAT)	
Project ID:	40007.0057	STD - Standard (Default)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Colton Joint USD - Transportation Yard	ND - Next Business Day	
Project Zip Code:	92324	SD - Same Business Day	
PO Number:		WH - Weekend/Holiday/ASAP	
Sampling Date/Time:	5/27/26		
Sampled By:	Marcus Jones		

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
	See attached COC	B	3 day	4389 sf	
1-1	Asphalt Core Samples				
1-2					
1-3					
1-4					
1-5					
2-1	Concrete Core Samples			4500 sq/ft	
2-2					
2-3					
2-4					
2-5					

SAMPLE TYPE CODES				RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
BC - BioCassette™	CP - Contact Plate	T - Tape	O - Other:	Marcus Jones	5/27/26 09:20		5/27/26 11:48A
AIS - Andersen	ST - Spore Trap	SW - Swab					
SAS - Surface Air Sampler	B - Bulk	SO - Soil					
NP - Non-potable Water	P - Potable Water	D - Dust					

East: (866) 871-1984

Central: (800) 651-4802

West: (866) 888-6653

WEATHER		Fog	Rain	Snow	Wind	Clear
LEVEL	None					
	Light					
	Moderate					
	Heavy					



004552901

Page 9 of 9

CONTACT INFORMATION

Company:	B2 Environmental, Inc	Address: 1773 W. San Bernardino Rd. Suite B28, West Covina, CA 91790
Contact:	Richard Garcia - richard@b2e.com	Special Instructions:
Phone:	562-652-5500	Please attach copy of sample plot map with results

PROJECT INFORMATION

TURN AROUND TIME CODES - (TAT)

Project ID:	40007.0057			STD - Standard (Default)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Colton Joint USD - Transportation Yard			ND - Next Business Day	
Project Zip Code:	92324	Sampling Date/Time:	5/27/26	SD - Same Business Day	
PO Number:		Sampled By:	Marcus Jones	WH - Weekend/Holiday/ASAP	

[illegible]

SAMPLE TYPE CODES

BC - BioCassette™	CP - Contact Plate	T - Tape	O - Other:
A1S - Andersen	ST - Spore Trap	SW - Swab	
SAS - Surface Air Sampler	B - Bulk	SO - Soil	
NP - Non-potable Water	P - Potable Water	D - Dust	

RELINQUISHED BY

DATE & TIME

Marcus Jones	

RECEIVED BY

DATE & TIME

Connor Lipton	5/27/26 11:48A
---------------	-------------------

REQUESTED SEF

Non-Culturable		Culturable	
Spore Trap	Tape, Swab, Bulk	BioCassette™ Andersen Swab, Water, Bulk, Dust, Soil, Contact Plate	
Spore Trap Analysis			
Other biological particles - supplement			
Direct Microscopic Exam (Qualitative)			
Quantitative spore count direct exam			
Dust Characterization			
		1-Media Surface Fungi (Genus ID + Asp. spp.)	
		Culturable Air Fungi (Genus ID + Asp. spp.)	
		Gram Stain and Counts (Culturable Air and Surface Bacteria)	
		Legionella culture	
		Total Coliform, E coli (Presence/Absence)	
		QuantTray-Sewage Screen	
		OTHER: (please specify test)	
		Asbestos in Air - PCM Airborne Fiber Count (NIOSH 7400)	
		Asbestos Bulk - PLM	X
		Lead (Pb) - Flame AA	
		PCR (please specify test)	
		Allergens (please specify test)	

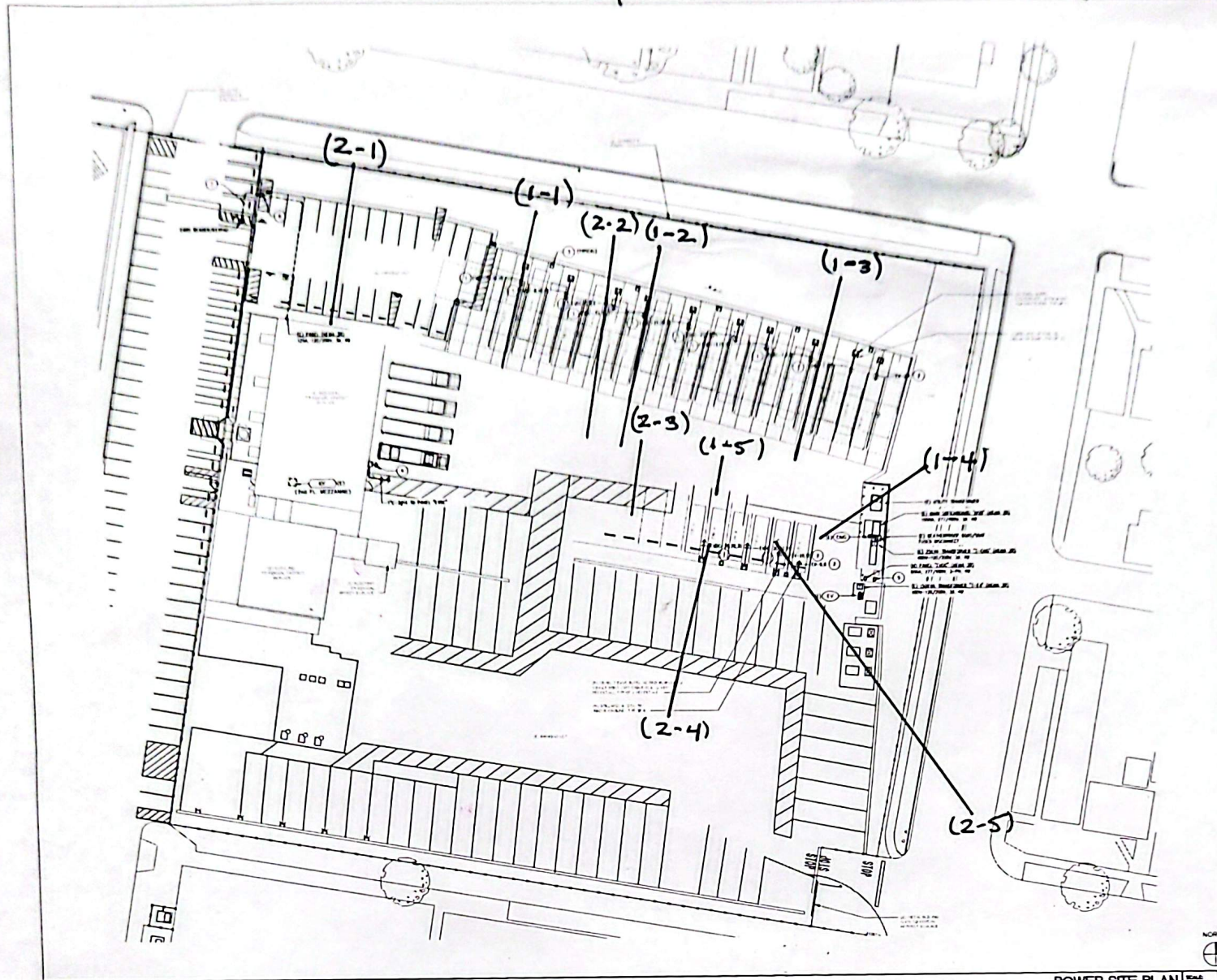
APPENDIX B

SAMPLE LOCATION MAP



5/28/24

Colton J4SD - Transportation Yard - Concrete & Asphalt Sample Locations



**RUHNAU
CLARKE**
ARCHITECTS

NOTES

1. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
2. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
3. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
4. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
5. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
6. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
7. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
8. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
9. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
10. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:

REFERENCE NOTES

1. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
2. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
3. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
4. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
5. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
6. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
7. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
8. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
9. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:
10. ALL CONCRETE AND ASPHALT SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH THE FOLLOWING NOTES:

PROJECT No. 15-01-32

DATE	DESCRIPTION
5/28/24	CONCRETE & ASPHALT SAMPLE LOCATIONS
5/28/24	CONCRETE & ASPHALT SAMPLE LOCATIONS
5/28/24	CONCRETE & ASPHALT SAMPLE LOCATIONS
5/28/24	CONCRETE & ASPHALT SAMPLE LOCATIONS

RUHNAUCLARKE.COM

POWER SITE PLAN | 1

TRANSPORTATION YARD INFRASTRUCTURE IMPROVEMENT

POWER SITE PLAN

E-2

APPENDIX C

XRF LEAD DATA



Date	Test #	Pass/Fail	Unit type	Calibration	Classification Lvl	Action Level	Pb	Pb P/F	Location	Room	Side	Component	Sub Component	Substrate	Color	Condition	Floor
5/27/2026 16:28	24	Pass	mg/cm2	PCS Cal		1	1.17	Positive	The barn						Red	Intact	1
5/27/2026 16:28	25	Pass	mg/cm2	PCS Cal		1	1.12	Positive	The barn						Red	Intact	1
5/27/2026 16:28	26	Pass	mg/cm2	PCS Cal		1	1.12	Positive	The barn						Red	Intact	1
5/27/2026 16:28	27	Pass	mg/cm2	PCS Cal		1	1.14	Positive	The barn						Red	Intact	1
5/27/2026 16:29	28	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn						Red	Intact	1
5/27/2026 16:29	29	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn						Red	Intact	1
5/27/2026 16:29	30	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn						Red	Intact	1
5/27/2026 16:29	31	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn						Red	Intact	1
5/27/2026 16:30	32		mg/cm2	LeadPaint	0.7	1	0.02	Negative	The barn	Warehouse	A	Wall	Wall	Metal	Orange	Intact	1
5/27/2026 16:30	33		mg/cm2	LeadPaint	0.7	1	0.03	Negative	The barn	Warehouse	A	Wall	Wall	Metal	Beige	Intact	1
5/27/2026 16:32	34		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	A	Door	Door Frame	Metal	Orange	Intact	1
5/27/2026 16:32	35		mg/cm2	LeadPaint	0.7	1	0.01	Negative	The barn	Warehouse	A	Door	Door	Metal	Orange	Intact	1
5/27/2026 16:42	36		mg/cm2	LeadPaint	0.7	1	0.02	Negative	The barn	Warehouse	B	Wall	Wall	Metal	Orange	Intact	1
5/27/2026 16:44	37		mg/cm2	LeadPaint	0.7	1	0.05	Negative	The barn	Warehouse	B	Wall	Wall	Metal	Beige	Intact	1
5/27/2026 16:45	38		mg/cm2	LeadPaint	0.7	1	0.1	Negative	The barn	Warehouse	B	Wall	Wall	Metal	Orange	Intact	1
5/27/2026 16:50	39		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	Upper A	Roof	.	Metal	White	Intact	1
5/27/2026 16:51	40		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	B	Post	.	Metal	Black	Intact	1
5/27/2026 16:52	41		mg/cm2	LeadPaint	0.7	1	0.04	Negative	The barn	Warehouse	C	Wall	Wall	Metal	Beige	Intact	1
5/27/2026 16:53	42		mg/cm2	LeadPaint	0.7	1	0.06	Negative	The barn	Warehouse	C	Wall	Wall	Metal	Orange	Intact	1
5/27/2026 16:54	43		mg/cm2	LeadPaint	0.7	1	0.01	Negative	The barn	Warehouse	C	Door	Door	Metal	Orange	Intact	1
5/27/2026 16:55	44		mg/cm2	LeadPaint	0.7	1	0.1	Negative	The barn	Warehouse	C	Door	Door	Metal	Orange	Intact	1
5/27/2026 16:55	45		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	Exterior	Floor	Floor	Asphalt	Yellow	Intact	1
5/27/2026 16:56	46		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	Exterior	Floor	Floor	Asphalt	White	Intact	1
5/27/2026 16:57	47		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	Exterior	Floor	Floor	Asphalt	Black	Intact	1
5/27/2026 16:58	48		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	Exterior	Floor	Floor	Concrete	Red	Intact	1
5/27/2026 16:59	49		mg/cm2	LeadPaint	0.7	1	0	Negative	The barn	Warehouse	Exterior	Floor	Floor	Concrete	Yellow	Intact	1
5/27/2026 17:57	50	Pass	mg/cm2	PCS Cal		1	1.12	Positive	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:57	51	Pass	mg/cm2	PCS Cal		1	1.16	Positive	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:57	52	Pass	mg/cm2	PCS Cal		1	1.12	Positive	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:57	53	Pass	mg/cm2	PCS Cal		1	1.13	Positive	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:57	54	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:57	55	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:57	56	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:57	57	Pass	mg/cm2	PCS Cal		1	0	Negative	The barn	Warehouse					Yellow	Intact	1
5/27/2026 17:58	58		mg/cm2	LeadPaint	0.7	1	0.01	Negative	The barn	Warehouse	B	Beam	,	Metal	Burgundy	Intact	1
5/27/2026 17:59	59		mg/cm2	LeadPaint	0.7	1	0.02	Negative	The barn	Warehouse	D	Beam	,	Metal	Burgundy	Intact	1
5/27/2026 17:59	60		mg/cm2	LeadPaint	0.7	1	0.01	Negative	The barn	Warehouse	A	Door	Door	Metal	Gray	Intact	1
5/27/2026 18:00	61		mg/cm2	LeadPaint	0.7	1	0.01	Negative	The barn	Warehouse	A	Door	Door Frame	Metal	Gray	Intact	1
5/27/2026 18:01	62		mg/cm2	LeadPaint	0.7	1	0.04	Negative	The barn	Warehouse	A	Conduit	,	Metal	Beige	Intact	1
5/27/2026 18:02	63		mg/cm2	LeadPaint	0.7	1	0.03	Negative	The barn	Warehouse	A	Flashing	.	Metal	Beige	Intact	1
5/27/2026 18:03	64		mg/cm2	LeadPaint	0.7	1	2.72	Positive	The barn	Warehouse	D	Conduit	,	Metal	Beige	Intact	1
5/27/2026 18:03	65		mg/cm2	LeadPaint	0.7	1	2.11	Positive	The barn	Warehouse	D	Conduit	,	Metal	Orange	Intact	1
5/27/2026 18:05	66		mg/cm2	LeadPaint	0.7	1	0.02	Negative	The barn	Warehouse	D	Conduit	,	Metal	Beige	Intact	1
5/27/2026 18:07	67		mg/cm2	LeadPaint	0.7	1	0.04	Negative	The barn	Warehouse	B	Tread	.	Metal	Beige	Intact	1

APPENDIX D

QUALIFICATIONS



STATE OF CALIFORNIA

DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Occupational Safety and Health-Asbestos & Carcinogen Unit

1750 Howe Avenue, Suite 460

Sacramento, CA 95825

(916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> actu@dir.ca.gov

Gavin Newsom, Governor



207197178T

8/26/2025

Marcus Jones

3360 Foothill Boulevard, Apt 120

Pasadena CA 91107

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailling information within 15 days of the change.

Sincerely,

Dean Mochrie, CAC
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached (08/24)

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician
Marcus B. Jones



Certification No **22-7178**

Expires on **10/21/2026**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq of the Business and Professions Code.



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Armando Garcia

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00007469

EXPIRATION DATE:

9/3/2026

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Raul Garcia Jr.

Name



Certification No. **05-3783**

Expires on **05/19/2027**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq of the Business and Professions Code.





APPENDIX D - HAZMAT SPECIFICATIONS

The Hazmat Specifications are found in the next TWENTY-EIGHT (28) pages, to be incorporated as part of the Project Manual.

LEAD BASED PAINT MATERIALS SPECIFICATIONS
Colton Joint Unified School District
Transportation Yard
Warehouse Building
451 N. 3rd Street
Colton, California 92324

Prepared for:

Colton Joint Unified School District
325 Hermosa Avenue, Building 5
Colton, California 92324

Prepared By:



B2 ENVIRONMENTAL

B2 Environmental
1773 W. San Bernardino Road, Suite B28
West Covina, CA 91790

June 2026
Project No. 40007.0057

**INORGANIC LEAD REMOVAL GUIDE SPECIFICATION
TABLE OF CONTENTS**

PART 1 - GENERAL	1
1.1 DESCRIPTION OF WORK	1
1.2 RELATED WORK	2
1.3 SCOPE OF WORK	2
1.4 APPLICABLE PUBLICATIONS	2
1.5 DEFINITIONS AND REQUIREMENTS	4
1.6 QUALITY ASSURANCE	7
1.7 TITLE TO MATERIALS	8
1.8 PROTECTION OF EXISTING WORK TO REMAIN	8
1.9 MEDICAL REQUIREMENTS	8
1.10 TRAINING	8
1.11 PERMITS AND NOTIFICATIONS	8
1.12 SAFETY COMPLIANCE	9
1.13 RESPIRATOR PROGRAM	9
1.14 SUBMITTAL	10
1.15 SANITARY FACILITIES	11
1.16 DELIVERY, STORAGE AND PROTECTION	11
 PART 2 - PRODUCTS	 12
2.1 RESPIRATORS	12
2.2 ENCAPSULANTS	12
2.3 PLASTIC SHEET	12
2.4 PLASTIC BAGS	12
2.5 TAPE	12
2.6 DISPOSAL CONTAINERS	12
2.7 EYE PROTECTION	12
2.8 SPECIAL CLOTHING	13
2.9 WARNING SIGNS	13
2.10 SURFACTANTS (WETTING AGENT)	13
2.11 SOLVENTS, CHEMICALS, AND NUTRALIZERS	13
2.12 OTHER MATERIALS	13
2.13 TOOLS AND EQUIPMENT	13
 PART 3 - EXECUTION	 15
3.1 WORK PROCEDURE	15
3.2 MANUAL REMOVAL METHODS CONTROL AREA (ENCLOSED)	15
3.3 MANUAL REMOVAL METHODS OPEN CONTROL AREA	15
3.4 DEMOLITION OF BUILDING STRUCTURES	16
3.5 LEAD PAINT REMOVAL (SANDING, SANDBLASTING, WATER BLASTING, ETC)	17
3.6 LEAD PAINT REMOVAL (CHEMICAL STRIPPING)	17
3.7 LEAD PAINT WELDING, BURNING, AND TORCH CUTTING	18
3.8 DECONTAMINATION AREA	19
3.9 DISPOSAL OF LEAD WASTE	21
3.10 CONTROLLING OFFSITE DISPERSAL	23
3.11 CLEAN UP AND AIR MONITORING	24
3.12 FINAL INSPECTION AND TESTING	24
3.13 SITE SECURITY	24
3.14 RESPONSIBILITY FOR DAMAGES	24
3.15 RESTORATION AND REPAIRS	24

SECTION 13280 - INORGANIC LEAD REMOVAL / CONSTRUCTION ACTIVITIES GUIDE

PART I GENERAL

1.1 DESCRIPTION OF WORK: The Contractor shall furnish all labor, materials, facilities, equipment, services, employee training and testing, permits and agreements, and waste transport and disposal necessary to perform the work required for the lead related construction activities including, but not limited to, removal, stabilization, and demolition of lead-based components, for the Colton Joint Unified School District Transportation Yard, located at 451 N. 3rd Street, Colton, California. Lead related construction activities shall be conducted in accordance with Cal-OSHA, EPA/California Department of Public Health (when applicable), California Department of Toxic Substance Control, and any other applicable federal, state and local government regulations. Whenever there is a conflict or overlap of the above references, the most stringent provisions are applicable.

- A. The Work covered by this section includes the handling of Lead bearing paints and compounds which are encountered during the lead related construction activities including, but not limited to the removal of lead based painted metal conduits, and the incidental procedures and equipment required to protect workers and occupants of the building, from contact with airborne Lead dust, fallen dusts containing Lead, and attached Lead bearing materials. The work includes the proper packaging, labeling and storage of the removed Lead based materials prior to disposal according to current Federal, State, Regional, and Local regulations that apply.
- B. The Contractor shall supply all labor, materials, equipment, services, insurance and incidentals, which are necessary and required to perform the Work. The Work shall be performed in accordance with applicable governmental regulations and these Specifications.

INSURANCE REQUIREMENTS

- 1. Contractor and all subcontractors shall maintain, at a minimum, workers compensation insurance at the statutory limits required.
- 2. Contractor shall maintain general liability insurance with a minimum rating of A RATING, with a limit of \$2 million per occurrence and \$1 million aggregate coverage.
- 3. Contractor shall maintain pollution and environmental liability insurance with the same limits and rating requirements as the general liability insurance requirements stated above.
- 4. Contractor and all subcontractors shall maintain, at a minimum, auto insurance with a minimum rating of A RATING, and a limit of \$2 million per occurrence and \$2 million aggregate coverage

BONDING REQUIREMENTS

- . Please refer to Colton Joint Unified School District's General Conditions and Requirements from Purchasing.
- C. The Contractor will be responsible for all medical monitoring before and after abatement in accordance with applicable laws and regulations including without limitation OSHA 29 CFR 1910.1025, 1926.62 and Title 8, CCR 1532.1.
- D. The Contractor will be responsible for all environmental and health and safety monitoring including without limitation conducting personal breathing zone monitoring and the posting of results.
- E. When mandated by the Consultant, the Contractor will be responsible for conducting all lead waste characterization tests to determine the proper disposal of lead waste generated by lead-related paint/component removal, and paint stabilization activities. Testing conducted by the Contractor, the Consultant will observe all sample collection and shall be provided with copies

of the sample analysis prior to disposal of the Lead waste. Otherwise, the Consultant will be responsible for conducting the lead waste characterization tests. This includes but is not limited to Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP) (when applicable) testing.

1. For building demolition the lead waste testing (composite of various lead painted and non-lead/unpainted building components) should be conducted prior to demolition to determine the proper waste stream and if segregation of components is necessary to reduce waste disposal costs. Lead Waste Characterization testing of the building components may be conducted by the Contractor or Consultant. **Intact Lead painted Metal Components shall be segregated from the waste stream and sent to an approved recycling company that accepts intact Lead painted metal components.** If the painted metal components are not segregated and sent to recycling, then the metal components shall be included in the waste stream and tested along with the remaining building components to determine the proper disposal. Based on the sample analysis the Contractor must make every effort to minimize the waste stream utilizing industry-accepted standards.
 - F. The Contractor will be responsible for the removal, and cleanup as specified, and proper packaging, labeling, storage, and transportation and disposal of all Lead-containing/lead-based paint and lead materials removed from surfaces as well as all removed components in the affected area(s).
 - G. This Lead guideline specification is general in scope to cover conditions that most often occur. However, the Contractor is bound only by the applicable portions of the specification. Additional or specific instructions to the Contractor may be added as part of the Scope of Work of a contract. In such cases, the Contractor is bound by those special provisions or requirements.
- 1.2 RELATED WORK** This section of the specification contains the requirements of the current Federal and State regulations for occupational exposure to Lead and Lead bearing compounds. The Contractor shall provide Asbestos abatement in accordance with the “Asbestos Abatement” section of this specification, when applicable.
- 1.3 SCOPE OF WORK** This specification covers lead-related construction activities including, but not limited to removal, stabilization, demolition, cleanup of lead-containing paint/lead-based paint and lead components utilizing manual removal methods or chemical methods. The work covered by this section is, by intent, in association with the scheduled renovation or demolition activities and is not intended to reduce or eliminate any lead hazards by design.
- 1.4 APPLICABLE PUBLICATIONS:** The publications listed below are incorporated into this specification and shall be read as if printed herein. In case of conflict between the referenced documents and the requirements in the specification, the stricter requirements shall apply. When differences occur between Federal, State, Regional, City or local regulations or ordinances, the stricter requirements shall apply. However, only the regulations of agencies that have jurisdiction over the operations apply, others may be used as guidelines. Recommended practices by regulatory agencies or scientific advisory organizations may be used as guidelines in establishing current state-of-the-art practices.

A. CODE OF FEDERAL REGULATIONS:

29 CFR 1910.1025	Lead (General Industry)
29 CFR 1910.1020	Employee Access to Medical Records
29 CFR 1910 Subpart I	Personal Protective Equipment
29 CFR 1910.134	Respiratory Protection
29 CFR 1910.1200	Hazard Communications Standard
29 CFR 1926.20	General Safety and Health - Construction
29 CFR 1926.21	Safety Training and Education (including confined spaces)
29 CFR 1926.25	Housekeeping
29 CFR 1926.28	Personal Protective Equipment

29 CFR 1926.51(f)	Washing Facilities
29 CFR 1926.55	Gases, Vapors, Fumes, Dusts, Mists
29 CFR 1926.57	Ventilation
29 CFR 1926.59	Hazard Communications Standards (Construction)
29 CFR 1926.62	Lead Exposure in Construction
29 CFR 1926.134	Respiratory Protection
29 CFR 1926.150	Fire Protection
29 CFR 1926.353	Ventilation-Welding, Heating, etc.

40 CFR, Parts 261, 262, 268 - RCRA (Resource Conservation & Recovery Act) of 1976, as amended in 1980 and 1984 - Hazardous Waste Disposal (Toxic & Hazardous Chemicals).

40 CFR PART 745, Lead Based Paint Poisoning Prevention in Certain Residential Structures

49 CFR - Department of Transportation (DOT) Regulations regarding the proper packaging, labeling and transportation of hazardous materials

HUD Department of Housing and Urban Development (If Applicable)
Technical Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing

B. STATE OF CALIFORNIA & LOCAL REGULATIONS

CCR Title 8 1532.1 Construction Safety Orders, Lead (Amended January 1, 2025)

CCR Title 17 Div1 Ch 8 Accreditation, Certification, and Work Practices
For Lead-Based Paint and Lead Hazards

South Coast Air
Quality Management District, Rule 1420 Emissions Standards for Lead

CCR Title 8, 5144 Respiratory Protection

CCR Title 8, 5194 Hazard Communication

CCR Title 22 Department of Toxic Substance Control (DTSC)

CCR Title 8, 5156, 5157, 5158 Confined Spaces

CCR Title 8 Construction Safety Orders 1500-1938 (as applicable)

C. GUIDANCE DOCUMENTS

1. National Institute for Occupational Safety & Health, (NIOSH), Occupational Exposure to Inorganic Lead, Criteria for a Recommended Standard. Pub 78-158, 1978.
2. U.S. EPA, Air Quality Criteria for Lead, EPA-600/8-83/028a, Final Draft, 1986.
3. National Institute for Occupational Safety & Health (NIOSH), NIOSH Respirator Decision Logic, Pub 87-108, 1987.
4. National Institute for Occupational Safety & Health (NIOSH), NIOSH Guide to Industrial Respiratory Protection, Pub 87-116, 1987.
5. National Institute for Occupational Safety & Health (NIOSH), Recommended Industrial Ventilation Guidelines, Pub 96-162.
6. American Conference of Governmental Industrial Consultants (ACGIH), Industrial Ventilation Manual, 22 Edition, 1980.

7. American National Standards Institute (ANSI) Pub Z9.2-79 Local Exhaust Ventilation Systems. Pub Z88.2-80 Practices for Respiratory Protection.
8. American Conference of Governmental Industrial Hygienists (ACGIH), Documentation of "Threshold Limit Values and Biological Exposure Indices", Fifth Edition, 1989 - 1990.
9. Department of Housing and Urban Development, Office of Public & Indian Housing, *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Edition)*.

1.5 DEFINITIONS AND REQUIREMENTS:

- A. Lead: all metallic Lead, inorganic Lead compounds, and organic Lead soaps.
- B. Action Level: Exposure without the use of respirators to airborne concentrations of Lead in the breathing zone of 2 micrograms per cubic meter (ug/m³) of air, calculated as an 8-hour time-weighted average (TWA).
- C. Permissible Exposure Limit: The employer shall ensure that no employee is exposed to an airborne concentration of lead greater than 10 ug/m³ calculated as an 8-hour time-weighted average (TWA). The 8-hour time-weighted average (TWA) allowable exposure is reduced proportionately if more than 8 hours are worked that day. Periods when respirators are worn may be calculated with periods when they are not worn according to the respirator protection factor to develop the 8-hour TWA. (Reference 29 CFR 1926.62, Title 8, 1532.1).
- D. Exposure Monitoring: The following criteria must be met:
 1. Sample of breathing zone exposure as if no respirator were worn.
 2. Sample for at least (7) hours of the 8-hour work shift.
 3. Sample the most exposed employee for each job classification in each different work area.
 4. Full shift samples must be representative of the employees' regular daily exposure to Lead.
 5. The employer must determine by air sampling if employees are exposed to lead at or above the Action Level or above the Permissible Exposure Limit.
 6. Air monitoring reports shall include at a minimum:
 - Date, names, social security numbers
 - Locations
 - Area name/job classifications.
 - Sample Time.
 - Sample volume.
 - Sampling and analytical techniques
 - Type of Respiratory Protection worn
 - Airborne lead concentrations (ug/m³).
 - Note actions taken in response to exceeding the established exposure levels.
 7. All air sampling data must be recorded even that which shows that employees are below the Action Level.
 8. Weekly reports shall be submitted along with pay requests for Completed Work.
- E. Frequency: If initial monitoring results show that occupational exposure of workers is below the Action Level, then only periodic monitoring is required. If initial air monitoring results are above the Action Level, but below the PEL, sample every six months. When the monitoring results are above the PEL, then monitoring must continue at least quarterly until results show that

exposures have fallen below the Action Level. Whenever there are changes in the operations, or type or location of the work, initial monitoring must be repeated to establish the workers' exposure.

- F. Notification: Within five (5) days following receipt of monitoring results, the employer must make the information available to the employees in writing. Posting of results, on site, is required.
- G. Method of Compliance: When employees are exposed to Lead above the PEL, then engineering controls (e.g., ventilation), administrative controls, and work practice controls (e.g., housekeeping, regulated areas, hand washing facilities) are required to reduce the exposures to below the PEL.
- H. Respiratory Protection: Where a negative exposure assessment has not been performed and/or where engineering controls and change of work practices may not reduce the employee exposures at or below the PEL of 10 ug/m³, then proper respiratory protection as defined in Paragraph (f) of 29 CFR 1926.62 and Title 8 1532.1, and Title 8 5144 Table 1, must be used according to the airborne concentrations of Lead present in the breathing zone.
- I. Compliance Program: Each employer shall develop a written compliance program for the control of occupational exposures to Lead below the PEL. Compliance programs must be explicit in the methodologies to reduce employee exposures. This program must be provided to the Consultant five (5) days prior to project commencement.
- J. Mechanical Ventilation: The ventilation systems must meet ANSI criteria and be tested for static pressure at least every three months, or directly after maintenance or major repair. Temporary mechanical ventilation, such as negative air machines, must be inspected daily for leaks and proper assembly. HEPA filter systems must be inspected for leaks daily.
- K. Recirculation of Air: Air that is returned to the work space must be filtered with a HEPA filter to retain the Lead particulate. Such devices must be inspected daily.

Also, open vents, shafts or ventilation systems inlets and outlets must be sealed shut to prevent capture of the Lead dust in the air which would be transported throughout the influence of the ventilation system.
- L. Administrative Controls: If the employer uses administrative controls to reduce employee overall exposures to Lead, then careful scheduling must be conducted to ensure that employees are not accidentally overexposed above the PEL.
- M. Respiratory Program: The employer shall establish a written respiratory program in accordance with 29 CFR 1910.134 and CCR Title 8, 5144. Each employee must be trained and instructed in the handling and use of the appropriate respiratory protection required for the work area(s) where the established airborne lead concentration has been determined.
- N. Protective Clothing: The employer shall provide appropriate protective work clothing and equipment which includes but is not limited to, disposable coveralls or similar full-body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields or vented goggles. Dirty clothing can be a substantial contribution to the worker's inhalation or ingestion of Lead dust and may be a source of introduction into the home where children may reside.
- O. Cleaning and Replacement of Lead contaminated clothing, gloves, shoes, goggles, hats, etc.: The employer must make provisions to clean protective clothing *daily* if the exposure levels exceed 200 ug/m³ as an 8 hour TWA.
- P. Laundry: The employer must inform in writing any person who cleans or launders protective clothing of the Lead contaminated clothing and label the bags which are transported to the laundry with the following:

CAUTION - CLOTHING CONTAMINATED WITH LEAD, DO NOT REMOVE DUST BY

SHAKING OR BLOWING. DISPOSE OF LEAD CONTAMINATED WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE OR FEDERAL REGULATIONS.

- Q. Air Hoses: The use of air hoses to remove dust from clothing, equipment, or other protective clothing is *prohibited*.
- R. Housekeeping: The following practices shall be used.
 - 1. Maintain the surfaces as free of Lead as practical.
 - 2. Air cleaning with air hoses or blowers on surfaces is prohibited.
 - 3. Shoveling, or gross removal may only be done in enclosed, ventilated areas and where employees are properly protected.
 - 4. Where vacuuming is used, the vacuum must be fitted with a HEPA filter.
 - 5. Clean-up of the work area must be done daily.
- S. Eating and Rest Places: Rest places and places where employees eat must be kept free of Lead contamination. Eating, drinking, chewing, smoking or applying skin creams or lotions in Lead contaminated work areas is *prohibited*. Ingestion is a major source of introduction of Lead into the body.
- T. Hygiene Facility: The employer shall provide clean, adequate hygiene facilities to comply with 29 CFR 1926.62 and CCR Title 8, 1532.1. Washing facilities are required. Employees need to wash their hands and face before eating, drinking, chewing, or smoking.
- U. Medical Surveillance: The employer shall make available initial medical surveillance for all employees who are or may be exposed to lead at or above the action level; Exception 1: Medical surveillance is not required for an employee who is not exposed to lead at or above the action level for 30 or more days in any 12 consecutive months, and who is not exposed on any day above 10 $\mu\text{g}/\text{m}^3$ as an 8-hour TWA, without regard to respirator use, Exception 2: Medical surveillance is not required for an employee who is not exposed to lead at or above the action level for 15 or more days in any 12 consecutive months, and who is not exposed on any day above 20 $\mu\text{g}/\text{m}^3$ as an 8-hour TWA, without regard to respirator use. The medical surveillance shall be made by a licensed physician using the protocol defined in 29 CFR 1926.62 and CCR Title 8, 1532.1.
- V. Medical Notification: The employer shall notify, in writing, each employee within five working days after the receipt of biological monitoring results of his or her blood lead level. Each employee whose blood Lead levels are at or above 40 $\mu\text{g}/\text{dl}$ shall be notified by the employer of the Cal-OSHA medical removal requirements, as described in CCR Title 8 1532.1. These employees shall be monitored according to the schedule in 29 CFR 1926.62 and CCR Title 8, 1532.1.
- W. Medical Removal: The standard requires temporary medical removal with Medical Removal Protection benefits when an employee's blood lead level is at or above 30 $\mu\text{g}/\text{dl}$, the last two monthly blood lead levels are at or above 20 $\mu\text{g}/\text{dl}$, or the average of the results of all blood lead tests conducted in the last 6 months is at or above 20 $\mu\text{g}/\text{dl}$, and as described in CCR Title 8 1532.1.
- X. Employee Information and Training program: The employer shall provide initial training for employees who may be exposed to Lead dust above the Action Level (AL) or above the Permissible Exposure Limit (PEL).
- Y. Signs: The employer shall post signs at the work site that are readily visible to those who enter where the PEL is or may be exceeded. They shall read:

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

- Z. Record Keeping: The employer shall keep accurate records of medical examinations, blood lead data, air sampling results, ventilation system inspections, the number and names of employees present, the respiratory protection worn, the protective equipment worn, and workers medically removed from the job and any other job site variables that affect the exposures of the workers. Exposure monitoring records must be kept for at least thirty (30) years and biological monitoring and medical records must be kept for the duration of employment plus thirty (30) years. The records affecting each employee must be made available on request.
- AA. Observation of Monitoring: The employer must make methods and observations available to employees of the air monitoring on the job. Individual medical information must not be disclosed without the employee's permission.

1.6 QUALITY ASSURANCE

A. Onsite Observations:

1. The Consultant will perform on site project oversight, air monitoring and visual inspections during all lead-related construction activities including lead related building demolition.
2. Consultant/Resident Hygienist will provide observations regarding integrity of barriers, contamination control, decontamination facilities, enclosures (when they are used), protective clothing, worker protection programs, Contractor's air monitoring procedures, proper performance of the lead related work including work area preparation, isolation, packaging and labeling of refuse and compliance with the EPA, OSHA, State, City and Local regulations affecting the job.
3. If at any time, the Consultant/Resident Hygienist determines that the work practices are in violation of applicable regulations or defined procedures, or practices that endanger the employees, he/she shall notify the Contractor orally that operations must cease until approved corrective action is taken. The notification shall be followed by a written confirmation to the Contractor.
4. If the work has been stopped for reasons in 1.6.A.3 above, the work may not be restarted until the Contractor receives a written authorization to proceed from the Consultant/Resident Hygienist. The Contractor shall bear the costs of the delay due to non-compliance with the regulations, specifications or the contract.
5. Any costs resulting from such a stop work order issued by the Consultant/Resident Hygienist and any work costs involved in restarting the work will be borne by the Contractor and will not be considered as the basis for an increase in the contract amount or time due to delays.
6. The safety of the Contractor's employee used under this contract specification and any visitors on the job site are the sole responsibility of the Contractor.
7. For exterior abatement activities if winds exceed 20 mph and/or the Consultant deems the high winds, or other inclement weather, to be unfavorable, unsafe working conditions, all work will cease.

B. Auditing of the Contractor:

1. The Abatement site will be audited by the Consultant/Resident Hygienist, as the Consultant/Resident Hygienist deems necessary relative to compliance with all applicable Federal, State and Local laws, standards and regulations.

2. Allow the Consultant or its representative access to the site, logbooks and monitoring data upon request.
3. Provide the Consultant/Resident Hygienist on a weekly basis the following reports:
 - a. Weekly logs.
 - b. Airborne monitoring results for each work area.
 - c. Job site inspection forms
 - d. Weekly written confirmation that the air outside the Work area has not been affected by the Lead abatement activities.
4. Chain-of-custody forms are to be kept for all samples collected.

1.7 TITLE TO MATERIALS All lead bearing materials and refuse resulting from removal operations or demolition work, except as specified herein, shall remain the property of the Owner and shall be disposed of according to Federal and State regulations in an EPA approved landfill.

1.8 PROTECTION OF EXISTING WORK TO REMAIN The Contractor shall perform the Lead paint/component removal, demolition, cleanup work without *damage or contamination* of the adjacent areas. The California Department of Public Health (CDPH) considers contamination outside the work area a "lead hazard". Where adjacent areas are damaged or contaminated with Lead dust or refuse, it shall be restored, by the Contractor, to its original condition at no expense to the Owner. The restorative procedures shall be performed in accordance with the CDPH Regulations (Title 17 CCR, Division 1, Chapter 8) and approved by the Owner's representative or the Consultant prior to the start of restoration or decontamination.

1.9 MEDICAL REQUIREMENTS The Lead standard is strict about the medical monitoring of employees exposed to Lead bearing dusts, fumes or mists. The employer must conduct the initial monitoring of the work place as required and use that information to develop a plan for medical monitoring of the employees. It is to the Contractor's advantage to keep the airborne concentrations of Lead in the air at or below the Action Level of 2 µg/m³ a point at which no medical monitoring is required. If the airborne lead concentrations are above the Action level for representative 8-hour TWA workdays, then a vigorous medical surveillance program, in accordance with 29 CFR 1926.62 and CCR Title 8, 1532.1, must be initiated including blood Lead analysis. The Medical records must be kept on each worker for the duration of employment plus 30 years.

1.10 TRAINING Prior to the assignment to Lead Related Construction Work, each employee must be instructed about the hazards of Lead in accordance with the requirements of the Hazard Communication Standards (29 CFR 1926.59 and Title 8 CCR 5194) and the procedures and equipment that must be used to minimize exposures. This includes the use of respirators, protective clothing and methods of removal.

For employees subject to exposure to lead at or above the action level on any day the employer shall provide a training program in accordance with 29 CFR 1926.62 and Title 8 CCR, 1532.1.

In addition, all workers and supervisors must be certified by the State of California Department of Public Health (CDPH) when engaged in Lead related Construction Work in residential and public buildings, as defined by CCR, Title 17 Div. 1, Ch 8, when workers have been shown to be exposed to airborne lead concentrations in excess of the PEL. Unless a negative exposure assessment has been performed the Contractor shall assume that when they are performing any one or a combination of the "trigger tasks" listed in Title 8 CCR, 1532.1 (d) that airborne concentrations of lead will be in excess of the PEL. Any Federal, State, Regional, City or Local permits or licenses required must be obtained by the Contractor prior to beginning work.

1.11 PERMITS AND NOTIFICATIONS Secure all necessary permits in conjunction with the Lead related work and provide timely notification of such actions as may be required by Federal, State or Local authorities. Except, as negotiated, the Contractor shall procure and pay for all permits and inspections, except those performed by the Owner, and shall furnish any bonds, security, or

deposits required to permit performance of the work defined. The Contractor will be responsible for the determination of required notifications and postings to the California Department of Public Health Services (Title 17, Div 1, Ch 8) and/or Cal-OSHA, for the lead work to be conducted.

1.12 SAFETY COMPLIANCE In addition to detailed requirements of this specification, the Contractor shall comply with the safety and health requirements of applicable Federal, State and Local regulations. Where interpretations are necessary, they shall be obtained before commencing work. Where the referenced regulations vary, the most stringent requirements shall apply.

1.13 RESPIRATOR PROGRAMS All workers engaged in Lead Related Construction work will wear the appropriate respirator for the existing lead concentration. The Contractor shall prepare a respirator program as required in 29 CFR 1926.62 and CCR Title 8, 1532.1. The respiratory requirements in Table I, 29 CFR 1910.134 and CCR Title 8, 5144 - must be followed. They are:

Airborne Concentration of Lead and Use	Required Respirators
Not in Excess of 100 ug/m³ (10X PEL)	Half-mask, air-purifying respirator with HEPA filters. Half-mask supplied air respirator operated in demand mode (negative pressure) mode. Half-mask SCBA operated in demand mode
Not in Excess of 250 ug/m³ (25X PEL)	Loose fitting facepiece, hood/ helmet PAPR with HEPA filters Loose fitting facepiece, hood/helmet supplied air respirator operated in a continuous flow mode
Not in Excess of 500 ug/m³ (50X PEL)	Full face air purifying respirator with HEPA filters. Half-mask PAPR with HEPA filters Full face supplied air operated in demand mode Half-mask supplied air operated in continuous flow mode or pressure demand or other positive pressure mode Full face or hood/helmet SCBA operated in demand mode
Not in Excess of 10,000 ug/m³ (1,000X PEL)	Full face PAPR with HEPA filters Full face supplied air operated in continuous flow or pressure demand or other positive pressure mode.
Not in Excess of 100,000 ug/m³ (10,000X PEL)	Full facepiece self-contained breathing (SCBA) operated in pressure demand or other positive pressure mode hood/helmet self-contained breathing (SCBA) operated in pressure demand or other positive pressure mode
Greater than 100,000 ug/m³ or unknown	Full face or hood/helmet self-contained breathing (SCBA) operated in pressure demand or other positive pressure mode.

Notes:

1. HEPA means High Efficiency Particulate filter at 99.97% efficiency collection of .3 micron diameter particles or larger.
2. The values in the table are based upon reasonable measurements in the breathing Zone of workers for an 8 hour time-weighted average work day.

The Workers must be properly trained in the care, use and maintenance of respirators. The

employer shall ensure that an employee using a tight-fitting facepiece respirator is fit tested prior to initial use of the respirator, whenever a different respirator facepiece (size, style, model or make) is used, and at least annually thereafter. The Contractor must implement a formal respiratory protection program as required by 29 CFR 1926.62 and CCR Title 8, 1532.1.

The Workers may not remove their Respirators until they enter the washing area (or equivalent) of the decontamination chamber.

1.14 SUBMITTALS The Contractor shall furnish the following items clearly identified as stated: Submittals items are to be submitted before project begins (at or before the Pre-construction Meeting). Abatement will not begin until the Consultant has received and approved the submittals:

- A. Certification of Compliance: Submit the manufacturer's certification that vacuums, ventilation equipment or other equipment required to remove, demolish, or disturb Lead paints / components conforms to ANSI Z9.2 (See references)
- B. Lead Work Plan: Submit a detailed plan of the work procedures to be used to accomplish the Lead related work, as required by OSHA, Cal-OSHA. Such a plan shall include the location of Lead control areas, change rooms, rest areas, eating areas, mini-enclosures (if used) methods of packaging, labeling and storage.

The Contractor must not deviate from procedures set forth in this specification, unless express permission is granted by the Consultant. All deviations from established Lead-related work are subject to review and approval by the Owner's representative or the Consultant. Applicable regulations must be obeyed.

- C. Testing Laboratory: Submit the name, address and telephone number of the testing laboratory selected for the monitoring of airborne concentrations of Lead as well as the lead waste characterization testing, if not conducted by the Consultant. The analytical laboratory shall be accredited by AIHA ELLAP or NLLAP and be a current participant in the AIHA, NIOSH, EPA Environmental Lead Proficiency Analytical Testing Program (ELPAT).
- D. Industrial Consultant/Safety Personnel: Submit the name of any industrial Consultant or safety personnel who will be involved in the Contractor's Lead monitoring and training program. If third party monitoring of the air is conducted the name of the organization conducting the work must be offered by the Contractor.
- E. Monitoring Results: The results of air monitoring or blood Lead analyses shall be submitted to the Consultant for review within 24 hours after the Contractor receives them. Any unwarranted overexposure must be reported to the Consultant who will review the methods of prevention developed by the Contractor.
- F. Competent Person / Site Safety Personnel: Name of the Competent Person assigned to conduct project site safety inspections as required by 29 CFR 1926.62 and Title 8, 1532.1.
- G. Landfill: Submit written evidence that the landfills or EPA dump sites are approved by the Federal, State, or Local authorities for disposing of the Lead bearing refuse. A landfill (dump site) log or manifest must be maintained, and a copy submitted to the Consultant. All dump receipts must be reconciled with the manifest and provided to the Consultant for review.
- H. Permits: Submit copies of any required permits as they pertain to the identified Lead-related work as applies, and proof that all arrangements have been made for the transportation and disposal of the Lead bearing materials and refuse to a dumpsite approved by the EPA or local authorities.
- I. Schedule and Work Plan: The Contractor shall submit a written work plan and work force schedule to the Consultant for review prior to project start. The plan must establish the locations, expected rates of lead related work, start and completion dates and number of workers assigned on the job. The plan should include any time-phased work or phasing out of the job at the end.

- J. Respirator Program: As noted above, the Contractor must develop a viable respirator program based upon monitoring results on the job. The Consultant for the Owner may conduct air sampling and review of conduct of operations for compliance to the regulations and conformance to the contract.
- K Disposal Site Records: Upon completion of the Lead related work the Contractor must submit the transportation manifests and dump receipts that are reconciled to the Consultant for review. This phase is part of the contract, and the Contractor will not be released until this action is completed.
- L. Signed documentation of proper and current lead training and education for all proposed workers including respirator use training, and copies of OSHA/Cal-OSHA specified medical exams with respirator approvals.
- M. Close Out Documentation: within 10 days of project completion the Contractor must provide all documentation generated during the project. Documentation shall include but is not limited to: supervisors daily logs, signed daily personnel logs, visitor entry/exit logs, employee entry/exit logs for regulated areas, manometer print reports or logs (as applicable), filter change logs for all air filtration units, water, and respirators, air monitoring sample results for personnel, work areas, air monitoring sample results for air filtration (when required), safety meeting attendance and any other contractor generated documentation for inclusion in a final closure report.

1.15 SANITARY FACILITIES Adequate toilet facilities are required at the work site. The Contractor is required to provide a lunch/rest area away from contaminated areas as well as soap and water to wash hands and faces prior to eating. This includes an area to change clothes and clean or repair respirators. Where toilet facilities do not exist in the building, the Contractor shall provide temporary toilet facilities.

1.16 DELIVERY, STORAGE AND PROTECTION

- A. Delivery: Deliver all materials in the original packages, containers or bundles bearing the manufacturer and brand name.
- B. Storage: Store all materials subject to damage off the ground, away from wet or damp surfaces. Lead waste materials or refuse must be stored in locked and properly labeled dumpsters, bins, drums including painted components that have been removed from building or site structures but have not yet been tested for proper waste disposal.
- C. Protection: Damaged or deteriorating materials shall not be used and shall not be discarded on the premises. This includes any refuse that is not Lead bearing that is generated by the Contractor, which must be removed from the premises. Any materials that become contaminated with Lead bearing materials that cannot be decontaminated shall be properly disposed of in accordance with the applicable Federal, State and Local regulations.

END OF PART 1 - GENERAL

PART 2 PRODUCTS

2.1 RESPIRATORS

- A. Selection: Select respirators from those currently approved by the National Institute for Occupational Safety & Health (NIOSH) as defined in the NIOSH Certified Equipment List (most current).
- B. Respirators: Provide respirators of the type listed in the Tables of 29 CFR 1910.134 and CCR Title 8, 5144 for the airborne concentrations of Lead encountered for handling, removal, decontamination, packaging or disposal.
- C. Types of Respirators: The types of respirators required are defined in Table I described above. If the lead related work to be conducted does not fall into one of the OSHA "Trigger Tasks", the Contractor must initially measure the airborne concentrations and select the appropriate respirator. Historical data may be relied upon for proper respirator selection if the data conforms with the OSHA, Cal-OSHA requirements including any exceptions. In all other cases, the Contractor must obtain approval from the Consultant for special conditions.

2.2 ENCAPSULANTS

- A. Penetrating: Where the Contractor wishes to use encapsulants or is directed by the Owner's representative or included in the scope of work, there are a large number of encapsulants for fine particles available. The encapsulants should meet the EPA's recommendations for application and composition. Any other products must be approved by the Consultant before use.
- B. Bridging: There are a number of bridging encapsulants available on the market that meet the EPA recommendations for application and composition to surface coat contaminated surfaces. Any deviations must receive the Consultant's approval.

- 2.3 PLASTIC SHEET** Plastic sheet used for Lead abatement shall be used in sufficient size and length to reduce the number of joints. Plastic sheeting shall be fire retardant or equivalent and the minimum thickness shall be:

APPLICATION	THICKNESS
Wall Barriers	4 mil
Floor Barriers	2 layers of 6 mil
Other Applications	6 mil

- 2.4 PLASTIC BAGS** Any plastic bags used for containment of Lead bearing material refuse, contaminated clothing or tools, or other materials used in the work area shall be polyethylene and a minimum of 6 mil in thickness. The bags must be labeled with a proper warning/generator label, sealed and placed into a labeled 55-gallon metal drum.
- 2.5 TAPE** Duct tape shall be capable of sealing joints of adjacent plastic sheet and attachment of plastic to surfaces under wet or dry conditions and be able to stick when wetted with amended water.
- 2.6 DISPOSAL CONTAINERS** Disposal containers shall be leak tight and shall be labeled in accordance with the EPA, California Department of Toxic Substance Control (CCR Title 22), DOT and any other requirements of Federal, State and Local authorities that apply.
- 2.7 EYE PROTECTION** During Lead related work activities employees will need protection from airborne particles during scraping, removal, demolition, and packaging of waste. The Contractor is responsible to provide eye protection and any other necessary protective measures in accordance with 29 CFR 1926.102.

2.8 SPECIAL CLOTHING

- A. Protective Clothing: The Contractor must provide workers who may be exposed to Lead dust, or airborne concentrations above the OSHA PEL, protective clothing and work clothing, such as:
- Coveralls, or similar full body clothing.
 - Head covers, gloves, hats, shoe covers, etc.
 - Face shield or goggles, where required.
- B. Work Clothing: Provide work clothing and safety devices along with the protective clothing as required. Such safety devices, rubber boots, etc. may be decontaminated and reused after inspection by the Consultant.

2.9 WARNING SIGNS The employer shall post the following warning signs in each work area where the PEL could reasonably be exceeded.

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

The Contractor shall place two (2) inch wide barrier tape with the wording “CAUTION: LEAD-PAINT WORK AREA” at the entrances to each work area to discourage unauthorized entry.

2.10 SURFACTANTS (WETTING AGENT) Surfactants shall be mixed as recommended by the manufacturer to produce amended water. Generally, the ratio is about (30:1) or one cup of surfactant to 30 gallons of water, depending upon the concentrations of the original material.

2.11 SOLVENTS, CHEMICALS, AND NEUTRALIZERS Shall be used in accordance with manufactures instructions. Additionally the Contractor shall comply at a minimum with recommended safety precautions, equipment, and handling per the products Safety Data Sheets and Federal, State, Local regulatory requirements. All products must have approval from the Owner’s representative and/or the Consultant before use.

2.12 OTHER MATERIALS The Contractor shall provide standard commercial grade quality of all other materials such as lumber, nails and hardware which may be required to construct or dismantle the decontamination areas and barriers that isolate the Lead work areas.

2.13 TOOLS AND EQUIPMENT

- A. Water Sprayer: Water sprayers for amended water or encapsulants shall be an airless or other low-pressure type, such as hand sprayers.
- B. Airless Sprayer: An airless sprayer may be used for the application of penetrating wash solution such as sodium hexametaphosphates to remove Lead residues from walls or other surfaces.
- C. Negative Air Machines: All negative air machines shall be of the type that filters the exhaust through a HEPA filter and properly permitted through SCAQMD. They must be vented outside the enclosures. A failure of the exhaust system may contaminate the entire work area with fine airborne Lead dust, which cannot be seen with the naked eye, thus creating an unknown and unwarranted exposure to occupants.
- D. Exhaust System Requirements: A local exhaust system must be provided to the work area where airborne concentrations can reasonably be expected to exceed the PEL of 50 µg/m³ for an 8-hour time- weighted average workday. Where exhaust systems are used to ventilate enclosures, a minimum pressure differential of -0.02 inches of water must be maintained to ensure that Lead-containing dusts cannot escape. All filters and exhaust equipment must conform to the ANSI Z9.2 HEPA requirements.

- E. Vacuum Equipment: All vacuum equipment utilized in the work area shall use the HEPA filters on the discharge and be suitable for wet use where water is involved. Vacuum equipment, which is exhausted outside the work area, shall be properly permitted and operated in accordance with SCAQMD.
- F. Scaffolding: Scaffolding as required shall meet the current safety and health regulations administered by the Federal or applicable State standards.
- G. Transportation Equipment: Transportation equipment shall be suitable for loading, temporary storage, transit and unloading of contaminated waste without exposure to persons or property. All transportation of Lead refuse to the dump sites must be in enclosed covered vehicles.
- H. Electrical: Electrical tools and equipment shall meet all applicable codes and regulations. Ground fault interrupters and assured grounding programs are required because of the wet nature of some of the Lead Paint removal projects.
- I. Fall Protection: The Contractor shall adhere to the Fall Protection requirements set forth in 1926.502 and CCR Title 8, 1669-1672.

END OF PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 WORK PROCEDURE All Lead related work must be performed in accordance with all applicable Federal, State and local regulations. At a minimum, the following procedures that are known to control the release and spreading of Lead dust must be utilized:

- A. Wet removal procedures
- B. Proper housekeeping (continual cleaning of work area) including the use of HEPA vacuums.
- C. Personal Protective Equipment must be worn where workers are in contact with Lead dust and use of hygiene facilities to prevent spread of contamination.
- D. Negative pressure enclosures to enclose Lead paint/component removal operations where mechanical sanding, cutting and abrasive blasting methods are used.

3.2 MANUAL REMOVAL METHODS CONTROL AREA (ENCLOSED) As directed by the Consultant, for the interior or exterior removal of lead paint or lead components utilizing manual removal methods including, but not limited to, manual demolition, manual scraping (paint film stabilization), manual sanding, and use of HEPA attached power tools conducted in and/or adjacent to occupied areas an enclosed method of Lead control shall be used and the following procedures are required:

- A. Seal all openings where the release of Lead could occur with two (2) layers of 6-mil fire retardant polyethylene sheeting secured with duct tape (windows, doorways, HVAC systems, and any other openings).
- B. Cover floors (when not the intended scope of work), ground surfaces and stationary items within the work area with a minimum of two (2) layer of 6-mil fire retardant polyethylene sheeting secured with duct tape.
- C. Properly demarcate with bilingual Lead Warning signs at all approaches to the regulated work areas to prevent unauthorized personnel entering the regulated work area(s).
- D. When applicable and as directed by the Consultant, utilization of negative air machines for total enclosures or for partial enclosures.
- E. Mini-enclosures may be used where only small amounts of Lead Paint must be removed. Mini-enclosures may only require ventilation using a HEPA vacuum cleaner that will provide negative pressure ventilation.
- F. Install a Decontamination area as described in Section 3.8 "Decontamination Area" of this specification.
- G. Wet methods shall be utilized to reduce the release of airborne lead dust. Prompt clean-up by use of HEPA vacuums and wet methods and proper packaging of all generated lead waste.
- H. Respiratory protection shall be selected based on the respiratory requirements in Section 1.13 of this specification and Table I, 29 CFR 1910.134 and CCR Title 8, 5144.

3.3 MANUAL REMOVAL METHODS OPEN CONTROL AREA - As directed by the Consultant, for the removal of lead paint or lead components utilizing manual removal methods including, but not limited to, manual demolition, manual scraping (paint film stabilization), cutting, drilling, manual sanding, and use of HEPA attached power tools conducted outdoors or indoors at unoccupied areas and adjacent to unoccupied areas an open area may be used as approved by the Consultant and the following procedures are required:

- A. Establish designated limits to the Lead work area by using Lead Warning tape and other continuous barriers or barricades, as directed by the Consultant, to separate the Lead operations.
- B. Properly demarcate with bilingual Lead Warning signs at all approaches to the regulated work areas to prevent unauthorized personnel entering the regulated work area(s).

- C. Cover floors, ground surfaces beneath the removal area with a minimum of one (1) layer of 6-mil fire retardant poly sheeting extending a minimum of 10 feet in all directions secured with duct tape or heavy supports. All areas shall be pre-cleaned so as to remove any existing lead paint chips.
- D. Install a Decontamination area as described in Section 3.8 “Decontamination Area” of this specification.
- E. Clean-up of lead debris and paint chips generated by the lead paint/component removal must be conducted by the Contractor on a continuous basis. If the Consultant observes a large amount of accumulated lead debris and / or lead paint chips, the lead activities will cease, and clean-up activities will continue until approval by the Consultant to resume the lead removal activities.
- F. Wet methods shall be utilized during all lead removal activities to reduce the release of airborne lead dust. Prompt clean-up by use of HEPA vacuums and wet methods and proper packaging of all generated lead waste.
- G. Respiratory protection shall be selected based on the respiratory requirements in Section 1.13 of this specification and Table I, 29 CFR 1910.134 and CCR Title 8, 5144.

3.4 DEMOLITION OF BUILDING STRUCTURES Demolition of building structures with intact lead painted building components shall be conducted upon completion of removal of identified loose and flaking paint (paint film stabilization) from various building components. For the demolition by mechanical methods of building structures that contain intact lead painted building components the following minimum procedures are required:

- A. Establish designated limits to the Lead work area by using Lead Warning tape and install hard barriers such as temporary fencing or temporary walls around the perimeter of the work area.
- B. Properly demarcate with bilingual Lead Warning signs at all approaches to the regulated work areas to prevent unauthorized personnel entering the regulated work area(s).
- C. Install a Decontamination area as described in Section 3.8 “Decontamination Area” of this specification.
- D. Continual misting (wet methods) shall be conducted prior to and during all demolition activities including segregation and loading of demolition debris.
- E. Clean-up of lead debris and paint chips generated by the demolition activities must be conducted by the Contractor on a continuous basis. If the Consultant observes a large amount of accumulated lead debris and / or lead paint chips the demolition activities will cease, and clean-up activities will continue until approval by the Consultant to resume the lead-related demolition activities.
- F. Respiratory protection shall be selected based on the respiratory requirements in Section 1.13 of this specification and Table I, 29 CFR 1910.134 and CCR Title 8, 5144.
- G. Pre and post lead soil testing will be conducted by the Consultant; post demolition soil clean-up may be required by the Contractor based on the pre and post lead soil sample results.
- H. Segregation of intact lead painted metal components from the remainder of the demolition debris shall be conducted by the Contractor.
- I. If torch cutting or mechanical saw cutting is required to accommodate removal, loading of lead painted structural steel or other lead painted components spot abatement of the lead painted surfaces at the “cut areas” shall be conducted prior to the torch or saw cutting activities. If spot abatement of paint is not feasible then the torch cutting or saw cutting activities shall be conducted in accordance with Section 3.7 “Lead Paint Welding, Burning, and Torch Cutting” of this specification.

3.5 LEAD PAINT/COMPONENT REMOVAL (SANDING, SANDBLASTING, WATER BLASTING, ETC.)

The removal of lead paint and lead components by utilizing mechanical sanding, cutting, or abrasive blasting activities shall be performed within a negative pressure enclosure which includes, but not limited to the following:

- A. Installation of a minimum of two (2) layers of 6-mil fire retardant polyethylene sheeting, secured with duct tape for protection of walls, ceilings, floors, stationary items.
- B. Shut down and/or isolation of HVAC systems with two (2) layers of 6-mil fire retardant poly.
- C. Installation of a minimum of two (2) layers of 6-mil fire retardant polyethylene sheeting, secured with duct tape for all critical barriers including, but not limited to corridors, windows, doorways, and any other penetrations or openings to the work area.
- D. Utilization of HEPA-filtered exhaust ventilation to maintain the work area including the Decontamination Facility under negative pressure to reduce or control airborne lead particulate concentrations. The negative pressure enclosure shall be maintained at not less than -0.02 inches of water from the start of abatement until final clearance testing has passed.
- E. At least one (1) airless sprayer shall be present and in good working condition to conduct wet removal and misting of the air.
- F. Construction and utilization of a three-stage Decontamination Facility as described in section 3.8 "Decontamination Area" of this specification.
- G. Lead waste generated by the abatement activities shall be promptly cleaned up by use of HEPA vacuums and wet methods and properly packaged lead waste debris shall not be allowed to remain in containment overnight.
- H. Respiratory protection shall be selected based on the respiratory requirements in Section 1.13 of this specification and Table I, 29 CFR 1910.134 and CCR Title 8, 5144.

3.6 LEAD PAINT REMOVAL (CHEMICAL STRIPPING) The removal of interior or exterior lead paint by utilizing chemical stripping activities, when conducted in and/or adjacent to occupied areas, shall be performed within a negative pressure enclosure which includes, but not limited to the following:

- A. Installation of a minimum of two (2) layers of 6-mil fire retardant polyethylene sheeting, secured with duct tape, for walls, floors, stationary items, critical barriers including, but not limited to corridors, windows, doorways, HVAC vents, and any other penetrations or openings to the work area.
- B. Utilization of HEPA-filtered exhaust ventilation to maintain the work area including the Decontamination Facility under negative pressure to reduce or control airborne lead particulate concentrations. The exhaust ventilation shall be additionally equipped with charcoal filters. The negative pressure enclosure shall be maintained at not less than -0.02 inches of water from the start of abatement until final clearance testing has passed.
- C. Portable eyewash stations in each work area
- D. When applicable, additional reversed exhaust ventilators (i.e. negative air machine) to provide a continuous source of clean air into each containment/work area
- E. Foam or dry chemical fire extinguishers in each work area
- F. At least one (1) airless sprayer shall be present and in good working condition to conduct wet removal and misting of the air.
- G. Construction and utilization of a three-stage Decontamination Facility as described in section 3.8 of this specification.

- H. Respiratory protection shall be selected based on the respiratory requirements in Section 1.13 of this specification and Table I, 29 CFR 1910.134 and CCR Title 8, 5144.
- I. Lead waste generated by the abatement activities shall be promptly cleaned up by use of HEPA vacuums and wet wiping and properly packaged, lead waste debris shall not be allowed to remain in containment overnight.

3.6.1 LEAD PAINT REMOVAL (CHEMICAL STRIPPING) The removal of lead paint by utilizing chemical stripping activities, when conducted outdoors or indoors at unoccupied areas and adjacent to unoccupied areas, may be performed in an open control area which includes, but not limited to the following:

- A. Establish designated limits to the Lead work area by using Lead Warning tape and other continuous barriers or barricades, as directed by the Consultant, to separate the Lead operations.
- B. Properly demarcate with bilingual Lead Warning signs at all approaches to the regulated work areas to prevent unauthorized personnel entering the regulated work area(s)
- C. If conducted indoors, seal all openings where the release of Lead could occur with two (2) layers of 6-mil fire retardant polyethylene sheeting secured with duct tape (windows, doorways, HVAC systems, and any other openings).
- D. Cover floors, ground surfaces and stationary items beneath the work area with a minimum of two (2) layers of 6-mil fire retardant polyethylene sheeting, extending a minimum of 10 feet in all directions, secured with duct tape or heavy supports.
- E. Portable eyewash stations in each work area
- F. When conducted indoors and when applicable, additional reversed exhaust ventilators (i.e. negative air machine) to provide a continuous source of clean air into each containment/work area
- G. Foam or dry chemical fire extinguishers in each work area
- H. Construction and utilization of a three-stage Decontamination Facility as described in section 3.8 of this specification.
- I. Respiratory protection shall be selected based on the respiratory requirements in Section 1.13 of this specification and Table I, 29 CFR 1910.134 and CCR Title 8, 5144.
- J. Lead waste generated by the abatement activities shall be promptly cleaned up by use of HEPA vacuums and wet wiping and properly packaged.

3.7 LEAD PAINT WELDING, BURNING, AND TORCH CUTTING: Activities which involve welding, burning, and/or torch cutting of surfaces with lead- paint coatings when conducted in and/or adjacent to occupied areas shall be performed within an enclosed area which includes, but not limited to the following:

- A. Install a minimum of two (2) layers of 6-mil fire retardant polyethylene sheeting for protection of walls, ceilings, floors, stationary items.
- B. Shut down and/or isolate HVAC systems with two (2) layers of 6-mil fire retardant polyethylene sheeting, secured with duct tape.
- C. Install a minimum of two (2) layers of 6-mil fire retardant polyethylene sheeting for all critical barriers including, but not limited to corridors, windows, doorways, and any other penetrations or openings to the work area.

- D. Construction and utilization of a three-stage Decontamination Facility as described in section 3.8 of this specification.
- E. Respiratory protection shall be selected based on the respiratory requirements in Section 1.13 of this specification and Table I, 29 CFR 1910.134 and CCR Title 8, 5144.
- F. As directed by the Consultant use of mechanical ventilation (negative air machines) and/or local exhaust ventilation as described below in Section 3.7.1 (A).
- G. Lead waste generated by the abatement activities shall be promptly cleaned up by use of HEPA vacuums and wet wiping and properly packaged, lead waste debris shall not be allowed to remain in containment overnight.

3.7.1 The-engineering controls that can be used, depending on feasibility, are:

- A. Local exhaust ventilation with a flanged hood equipped with HEPA filtration may be utilized where the use of LEV does not create safety hazards. Use of a flexible duct system requires that the cutter or welder be instructed to keep the duct close to the emission source and to ensure the duct is not twisted or bent.
- B. A fume-extractor gun that removes fumes from the point of generation is an alternative to an exhaust hood for gas-shielded arc-welding processes. Such extraction systems can reduce breathing zone concentrations by 70% or more (Hughes and Amendola, 1982). These systems require that the gun and shielding gas flow rates be carefully balanced to maintain weld quality and still provide good exhaust flow.
- C. A longer cutting torch can be used in some situations to increase the distance from the lead source to the worker's breathing zone.
- D. Hydraulic shears can sometimes be used to mechanically cut steel that is coated with lead based-paint. The use of this method is limited by the ability of the shears to reach the cutting area.
- E. Whenever possible, pneumatic air tools should be used to remove rivets in lieu of burning and torch cutting.

3.7.2 WORK PRACTICE CONTROLS The following work practice controls will help to reduce worker exposures to lead during welding, burning, and torch cutting:

- A. When feasible, strip back all lead-containing and/or lead-based paint for a distance of at least 4 inches in all directions from the area of heat application. Chemical stripping shall be conducted in accordance with section 3.6 of this specification. Vacuum-shrouded hand tools, vacuum blasting, or other suitable method may be used. However, in enclosed spaces, strip back or protect the workers with airline respirators in accordance with the requirements of OSHA 29 CFR 1926.354 (c).
- B. Ensure that workers avoid the smoke plume by standing to the side or upwind of the cutting torch whenever the configuration of the job permits.
- C. Burning is prohibited to remove lead paint. Lead paint shall be removed using other methods, such as chemical stripping, power tools (e.g. needle guns) with HEPA vacuum attachments, etc.

3.8 DECONTAMINATION AREAS/HYGIENE FACILITIES

- A. Construct the following Worker decontamination enclosure system contiguous to or adjacent to the work area:
 - 1. If feasible and as directed by the Consultant, a shower room with two doorways, one to the equipment room and one to the clean room. The shower room shall contain at least one shower with hot and cold water. The Contractor shall ensure that the shower enclosure system does not leak. Additionally, the shower shall always contain an ample supply of soap, shampoo

and clean dry towels. The Contractor shall utilize a proper water filtration system to filter lead particles prior to release of the filtered shower water into the sanitary sewer system, as approved by the Consultant and Owner's representative. Otherwise the filtered water shall be placed in leak-tight labeled containers and tested for lead content to determine proper disposal. The spent filters shall be disposed of as hazardous waste.

2. A clean room with one doorway into the shower and one entrance/exit to non-contaminated areas. The clean room shall possess sufficient space for storing the Worker's street clothes, towels and other non-contaminated items. An equipment room with two doorways, one to the shower room and one entrance / exit to the regulated area. Remove protective clothing, in the equipment room by first HEPA vacuuming contaminated protective clothing. Protective clothing and contaminated equipment must be disposed of in sealed, labeled 6-mil polyethylene bags and/or drums and transferred to the waste storage bin to await proper disposal.
 3. If shower facilities are deemed not feasible, the Contractor must provide adequate handwashing facilities for use by employees. The Contractor shall assure that employees wash their hands, face, respirators and equipment upon leaving the work area. Protective clothing and equipment must be removed and containerized as stated above in paragraph 2.
- B. Workers shall change clothes exclusively (i.e., dress and undress) within the clean room. If additional space is required for changing clothes, the Contractor shall construct modesty rooms (if inside the building, use black polyethylene sheeting, if outside the building, use 1/2" plywood). The clean room shall be supplied with separate storage facilities for work and street clothing.
- C. The Worker decontamination enclosure system should be portable and should exist independent of the facility but contiguous to the work area (i.e., building facilities such as toilets, sinks and showers shall not be used in constructing the decontamination enclosure system).
- D. When applicable and as directed by the Consultant, the Worker decontamination area shall be under negative air pressure at all times. Additionally, the Contractor shall provide sufficient quantities of make-up air.
- E. When necessary and as directed by the Consultant, the Contractor shall construct a waste load-out wash down station contiguous to the equipment room or work area. The waste load-out area shall be constructed of two (2) layers of 6-mil fire retardant polyethylene sheeting with overlapping seams secured with duct tape for walls, floor and ceilings.
- F. The Contractor shall move all materials or equipment from the work area through the equipment decontamination room and/or the waste load-out wash down station according to the following sequence:
1. The Contractor shall establish air locks at the entrance to the decontamination equipment room and/or waste load-out area.
 2. All ingress and egress from the decontamination equipment room and/or waste load-out area shall take place between the work area's separate airlock and the shower and/or wash down station.
 3. Workers shall thoroughly wet clean contaminated equipment in the work area and pass the equipment into the shower and/or wash room. After the Workers pass the equipment into the shower and/or wash room, they shall repeat the wet cleaning and place the equipment into a clean area. All Workers in the decontamination facility shall wear full protective clothing and appropriate respiratory protection. If rented equipment is used, it must be completely decontaminated. Lead wipe tests may be necessary to ensure proper decontamination.
- G. Lunch Room & Facilities: The Contractor shall provide a separate place for the employees to eat and rest that is not contaminated with lead dust. Contaminated clothing and devices shall be prohibited from any lunch room area.

3.9 DISPOSAL OF LEAD WASTE When mandated by the Consultant the Contractor will be responsible for the performance of the collection and analysis of lead waste generated by lead paint / component removal and demolition activities to determine the proper disposal. If the Contractor conducts the lead waste testing the Consultant will observe all sample collection and shall be provided copies of the sample analysis prior to disposal of the lead waste. This includes, but is not limited to TTLC, STLC, and TCLP testing.

- A. As work progresses and to prevent exceeding available storage capacity on site, the Owner's representative in coordination with the Contractor shall remove sealed and labeled containers of waste from the site and dispose of such containers at an authorized disposal site in accordance with applicable regulations.
- B. The state statutes and regulations of the California Department of Toxic Substance Control (DTSC) which incorporates the Federal Resource Conservation and Recovery Act (RCRA) regulations shall be complied with as well as any other applicable state solid waste plan requirements. The Contractor will ensure that applicable local, State and Federal permits are obtained for transportation of hazardous materials and that all waste materials are properly classified for disposal and disposed of properly. During the lead related work activities, the Contractor shall not leave debris in the yard or nearby property, incinerate debris, dump waste by the road or in an unauthorized dumpster, or introduce lead-contaminated water into storm (will not be flushed down yard inlet or street drain) or sanitary sewers (will not be flushed down toilet or other household drain).
- C. If the intact Lead painted building component exhibits all of the following characteristics, it may handled as an architectural waste/trash:
 - If the component is greater in size than 60mm, which is the California definition of debris;
 - If the paint adhered to the component does not exhibit any cracking, peeling or flaking powder or any other delamination;
 - If the lead waste does not exceed 50 mg/kg using the TTLC test procedure or;
 - If the lead waste does not exceed 1000 mg/kg using the TTLC test procedure and;
 - If the lead waste does not exceed 5.0 mg/L using the STLC test procedure;

NOTE: When applicable, a letter from the landfill will be required to acknowledge the receipt of lead-containing materials.

- D. Intact Lead painted Metal Components shall be segregated from the waste stream and sent to an approved recycling company that accepts intact Lead painted metal components. **If the painted metal components are not segregated and sent to recycling, then the metal components shall be included in the lead waste stream and tested along with the remaining lead components to determine the proper disposal. An intact lead painted metal component is where the lead paint is adhered to the component and does not exhibit any cracking, peeling, or flaking or any other delamination. It is the Contractor's responsibility to locate a metal recycling company that will accept the lead painted metal components. A signed letter indicating the knowledge of the lead painted metal components and acceptance by the recycling company must be submitted to the Consultant prior to the transfer of the components off-site.**
- E. Proper testing of lead waste materials generated by the demolition of the building structures includes all lead painted building components and non-lead painted building components that have been removed from the building structures and/or the job site which is intended for disposal. Building component removal includes both manual and mechanical methods. Additionally, any lead paint debris that has become separated from the building components during demolition activities shall be segregated and tested to determine the proper disposal.

3.9.1 The following materials shall also be tested to determine whether or not they are hazardous waste.

- A. waste water from decontamination/hygiene facilities, if not properly filtered and discharged to a sanitary sewage system
- B. dust from HEPA filters and from damp sweeping
- C. plastic sheets, duct tape, or tape used to cover floors and other services during the lead paint removal activities
- D. solvents and caustics used during the stripping process
- E. liquid waste, such as wash water used to decontaminate wood, steel after solvents have been used, and liquid waste from water blasting activities
- F. rags, sponges, mops, HEPA filters, scrapers, and other materials used for testing, removal, demolition and cleanup
- G. disposable work clothes and respirator filters
- H. any other items contaminated with lead paint.

3.9.2 California -Hazardous Solid Waste (as determined by testing). The Contractor shall place lead paint chips, debris, lead dust, used disposable cleaning supplies, protective clothing, plastic sheeting, vacuum bags and filters, etc. in double (4-mil) or single (6-mil) polyethylene bags that are leak-tight and puncture-resistant. Other types of lead painted components that do not fit into plastic bags will be wrapped and sealed with plastic and secured with duct tape. All plastic bags and wrappings shall be labeled with appropriate warning labels and generator labels in accordance with Federal, State, and local regulations. The bags and/or wrappings shall then be placed into properly labeled DOT metal drums.

It is the Contractor's responsibility to provide the proper waste bins/dumpsters, storage, transportation and disposal of the hazardous lead waste removed from the project site. All waste must be disposed of at a landfill approved by the Owner. Contractor is responsible for providing copies of waste disposal records.

3.9.3 Non-Hazardous Solid Waste (as determined by testing). The Contractor shall ensure that lead waste / components determined to be non-hazardous are handled appropriately to eliminate the separation of the lead paint from the substrate. Any lead paint that becomes detached from the substrate or becomes delaminated during the handling and disposal must be immediately misted with amended water, HEPA vacuumed and/or wet wiped clean, and properly bagged and stored until further testing is completed for the newly identified lead waste stream.

3.9.4 The Contractor shall clean surfaces and equipment and bag large debris. The Contractor shall then remove plastic sheeting and tape from covered surfaces. Prior to removing the plastic sheeting, the Contractor shall lightly mist the sheeting in order to keep dust down and fold inward to form tight small bundles to bag for disposal. The Contractor shall place all plastic sheeting in double (4-mil) or single (6-mil) thick plastic bags and seal leak-tight.

3.9.5 The Contractor shall bag and seal leak-tight vacuum bags and filters in double (4-mil) or single (6-mil) thick plastic bags.

3.9.6 The Contractor shall place all contaminated clothing or clothing covers used during abatement and cleanup in plastic bags for disposal prior to leaving equipment room.

3.9.7 The Contractor shall place solvent residues and residues from strippers in drums made out of materials that cannot be dissolved or corroded by chemicals. Solvents will be tested by the Contractor to determine if they are hazardous waste. Solvents, caustic and acid waste must be segregated and not stored in the same containers.

- 3.9.8** The Contractor shall properly containerize all liquid waste, including lead contaminated wash water, if not properly filtered and dispersed to a sanitary sewer system.
- 3.9.9** The Contractor shall HEPA vacuum the exterior of all waste containers prior to removing the waste containers from the work area and shall wet wipe the containers to ensure that there is no residual contamination. Containers should then be moved out of the work area into the designated storage area.
- 3.9.10** The Contractor shall carefully place all waste containers into properly lined and labeled waste bins until transport to the landfill. Waste dumpsters must be locked at all times with exception loading of waste containers.
- 3.9.11** The Contractor, in coordination with the Owner's representative, shall ensure that all waste is transported in covered vehicles to an approved landfill.
- 3.9.12** If the Contractor subcontracts the transporting of the lead paint waste, he shall insure that the company transporting the waste material adequately covers all loads so as to assure that no dust or debris is released.
- 3.9.13** Disposal of RCRA Hazardous Waste (as determined by testing). The Contractor, in coordination with the Owners' representative, will be required to comply with the California Department of Toxic Substance Control which incorporates the Resource Conservation and Recovery Act (RCRA) requirements.
- 3.9.14** Waste Containers. The Contractor will comply with EPA and DOT regulations for containers. The Contractor shall contact the state and local authorities to determine the criteria for containers. The more stringent regulation shall apply.
- 3.9.15** Waste Transportation. It is the Contractor's responsibility to contract with a properly certified hazardous waste transporter. If the Contractor must provide the proper transportation of hazardous waste then the Contractor must be a certified hazardous waste hauler or a contract shall be entered into by the Contractor with a certified hazardous waste transporter to transport the waste.

It is the Contractor's responsibility to provide the proper waste bins/dumpsters, labels, storage, transportation and disposal of the hazardous lead waste removed from the project site. All waste must be disposed of at a landfill approved by the Owner. Contractor is responsible for providing copies of waste disposal records.

Provide copies of all transport manifests, trip tickets and disposal receipts for all hazardous lead waste materials removed from the work area within 48 hours of the transport, to:

Colton Joint Unified School District
325 Hermosa Avenue, Building 5
Colton, California 92324
Attn: Owen Chang

Please note that the regulatory guidance issued by Waste Evaluation Department of Toxic Substance Control on lead painted building debris dated 6/13/94 is not a variance but a regulatory guidance and will not be interpreted as a variance from RCRA, Federal guidelines or HUD guidelines.

- 3.10 CONTROLLING OFFSITE DISPERSAL** The Contractor must implement control measures to contain Lead dust and debris within the Work Area / Site including without limitation:
- A. Control and limit access to the abatement / demolition work areas.
 - B. Limit tracking of dust and debris.
 - C. Implement a program of ongoing cleanup.

3.11 CLEANUP AND AIR MONITORING If applicable, the contractor shall be responsible for not exceeding air and surface baseline Lead levels during the preparation, removal and cleanup operations. If levels at any time exceed baseline levels, it shall be the Contractor's responsibility to clean the affected areas until baseline levels have been achieved.

3.12 FINAL INSPECTION AND TESTING:

- A. After thorough cleaning of the workspace, and satisfactory degree of cleanliness has been achieved, the Contractor shall notify the Consultant that the workspace is ready for inspection and final testing. The Consultant and the Contractor shall then visually inspect the workspace for the detection of any visible lead dust or lead contamination. If the visual inspection does not reveal any dust or other signs of contamination, final testing may commence.
- B. The Consultant may perform lead dust wipe sampling on the horizontal surfaces in accordance with the clearance sampling requirements specified in the HUD Guidelines at a minimum. The clearance levels will be the most recent levels as defined in this specification. The Consultant may also perform soil sampling on the bare soil areas in accordance with the clearance sampling requirements specified in the HUD Regulations
- C. Lead –Contaminated Dust is defined by the California Department of Public Health as dust that contains an amount of lead equal to, or in excess of, ten micrograms per square foot ($10 \mu\text{g}/\text{ft}^2$) for interior floor surfaces, $100 \mu\text{g}/\text{ft}^2$ for interior horizontal surfaces, and $400 \mu\text{g}/\text{ft}^2$ for exterior floor and exterior horizontal surfaces. The California Department of Public Health Standards for clearance shall apply.
- D. As of January 13, 2025, federal EPA rule, new stricter Dust-Lead Action Levels (DLAL), formerly Clearance Levels, are now in effect for pre-1978 housing and childcare facilities. When state and federal regulations vary, the stricter regulations must be followed. The Federal EPA Dust-Lead Action Levels (DLAL) for floor surfaces is five micrograms per square foot ($5 \mu\text{g}/\text{ft}^2$).
- E. Lead-Contaminated Soil is defined by the California Department of Public Health as bare soil that contains lead equal to, or in excess of, four hundred parts per million (400 ppm) in child play areas and one thousand parts per million (1000 ppm) in all other areas. The California Department of Public Health Standards for clearance shall apply.
- F. Areas exceeding the clearance level shall be re-cleaned, re-encapsulated and re-tested until acceptable clearance levels are obtained. All costs associated with re-testing of an area shall be borne by the abatement Contractor.
- G. Following the satisfactory completion of clearance lead dust wipe sampling testing, work area isolation barriers shall be removed by the abatement contractor and properly disposed of as contaminated waste or as directed by the Consultant.
- H. The Contractor shall at no additional charge install and provide AC power and extension cords for the Consultant to collect all area air samples deemed necessary by the Consultant.

3.13 SITE SECURITY Requirements: Proper security for the project abatement / demolition area(s) shall be the responsibility of the Contractor and is to be coordinated with the Owner's representative. Proper security includes, but is not limited to, installation of lockable chain linked fencing and / or other secured barriers to ensure work areas are not accessible to unauthorized persons.

3.14 RESPONSIBILITY FOR DAMAGES: Any damages to any items or fixtures that has been the result of actions by the Contractor's personnel shall be repaired to their original condition without any additional cost to the Owner. A comparison to the pre-construction inspection report shall be the basis for the assessment of damages to be addressed.

3.15 RESTORATION AND REPAIRS: Repair and restore all items in accordance with the final inspection list specified herein. All surfaces within the work site must be free and clean of debris including but not limited to encapsulants, glue, tape, poly, waste, etc.

END OF PART 3 – EXECUTION

ATTACHMENT 1

LEAD-BASED PAINTED COMPONENTS

<u>COLTON JOINT UNIFIED SCHOOL DISTRICT</u> <u>TRANSPORTATION YARD</u>				
LEAD-BASED PAINT MATERIALS				
MATERIAL / COMPONENT ⁽¹⁾	COLOR(S)	LOCATION	TEST #	LEAD CONTENT (mg/cm ²)
Metal Conduits	Beige	Warehouse ("Barn") Building	64	2.72
Metal Conduits	Orange	Warehouse ("Barn") Building	65	2.11
⁽¹⁾ Materials/Components - LBP=Lead-Based Paint (<u>></u> 0.7 mg/cm ²)				
*Milligrams per square centimeter (mg/cm ²)				



APPENDIX E – SITE MAP (WITH LEGEND DEPICTING WORK AREAS)

The Site Map (with Legend delineating Work Areas) is found on the following page.

LEGEND

-  AREA OF WORK
-  LAY DOWN AREA
(MATERIAL STORAGE)
-  CONTRACTOR PARKING
(STREET PARKING ONLY)
-  ADDITIONAL WORK AREA
(MUST BE COORDINATED
WITH DISTRICT FOR
2 WEEK SHUTDOWN WINDOW)

NOTES

1. Contractor shall relocate existing fence, mesh screening, and vehicle gate as required to accommodate construction operations. Fence shall be maintained around active work limits at all times.
2. Emergency access shall remain unobstructed at all times.



Colton Joint Unified School District

Frank Miranda, Ed.D., Superintendent

Gregory Fromm, Assistant Superintendent, Business Services Division

Owen Chang, Director of Facilities and Energy Management



END OF ADDENDUM NO.1