

ALAMEDA UNIFIED SCHOOL DISTRICT
Excellence & Equity For All Students

AMENDMENT NO. 1 to Standard Agreement #2028

Dated November 25, 2020

This Amendment is entered into between the Alameda Unified School District (District) and **MBS Engineering** (CONTRACTOR). District entered into a CUPCAA Agreement with CONTRACTOR for District Wide Gas Leak Repairs, and the parties agree to amend that Agreement as follows:

1. Services

Gas Leak Repairs at additional sites:

Academy of Alameda (Chipman)
ACLC/Nea (Woodstock)
Island HS (Longfellow)
Bay Farm School

2. Compensation

Original Contract Amount: \$92,845

Additional Services:

Academy of Alameda: \$75,822
ACLC/Nea: \$8,551
Island HS: \$983
Bay Farm School: \$8,416
Total: \$93,772

New Contract Amount: \$186,617

Scope of Work listed in the MBS Proposals, attached hereto as Exhibit A

3. Remaining Provisions: All other provisions of the Agreement, and prior Amendment(s) if any, shall remain unchanged and in full force and effect as originally stated.

4. Amendment History:

- ☒ There are no previous amendments to this Agreement.
☐ This contract has previously been amended as follows:

No.	Date	General Description of Reason for Amendment	Amount of Increase/(Decrease)
1	1/4/20	Gas Leak Repairs at Additional Sites	\$93,772

"DISTRICT"

Date: Jan 5, 2021

By: Robbie Lyng
Robbie Lyng (Jan 5, 2021 15:30 PST)

Name: Robbie Lyng
Title: Senior Director of Construction

Date: Jan 5, 2021

By: Shariq Khan
Shariq Khan (Jan 5, 2021 14:52 PST)

Name: Shariq Khan
Title: Chief Business Officer

Date: _____

By: _____

Name: Mialisa Bonta
Title: Board President

"CONTRACTOR"

Date: 1-5-2021

By: Dan Whaley

Name: Dan Whaley

Title: VP of Engineering

EXHIBIT A

Proposals

12855 Alcosta Blvd
San Ramon, CA 94583
Tel +1 925-334-7200



WWW.MBS.ENGINEERING
License: #990872 (A & C-36)
CA Small Business: 2003043

MBS Engineering Proposal

December 2nd, 2020

Dan Whaley
VP
MBS Engineering
Dan@MBS.Engineering

TO: Robbie Lyng
2060 Challenger Dr
Alameda, CA 94501

RE: Academy of Alameda – Gas Repair – Quad Building Only

SCOPE OF WORK:

MBS Engineering is proposing to repair a Grade 1 Gas Leak on a gas line feeding the Quad building at Academy of Alameda. We have broken this proposal out into (2) Phases in order to plan for either a repair at the leak location as well as a full replacement, and repair of piping inside the building. MBS scope of work includes: Cutting and removal of asphalt, excavation, underground and above ground pipe work, pressure and leak testing, backfill and hardscape replacement.



12855 Alcosta Blvd
San Ramon, CA 94583

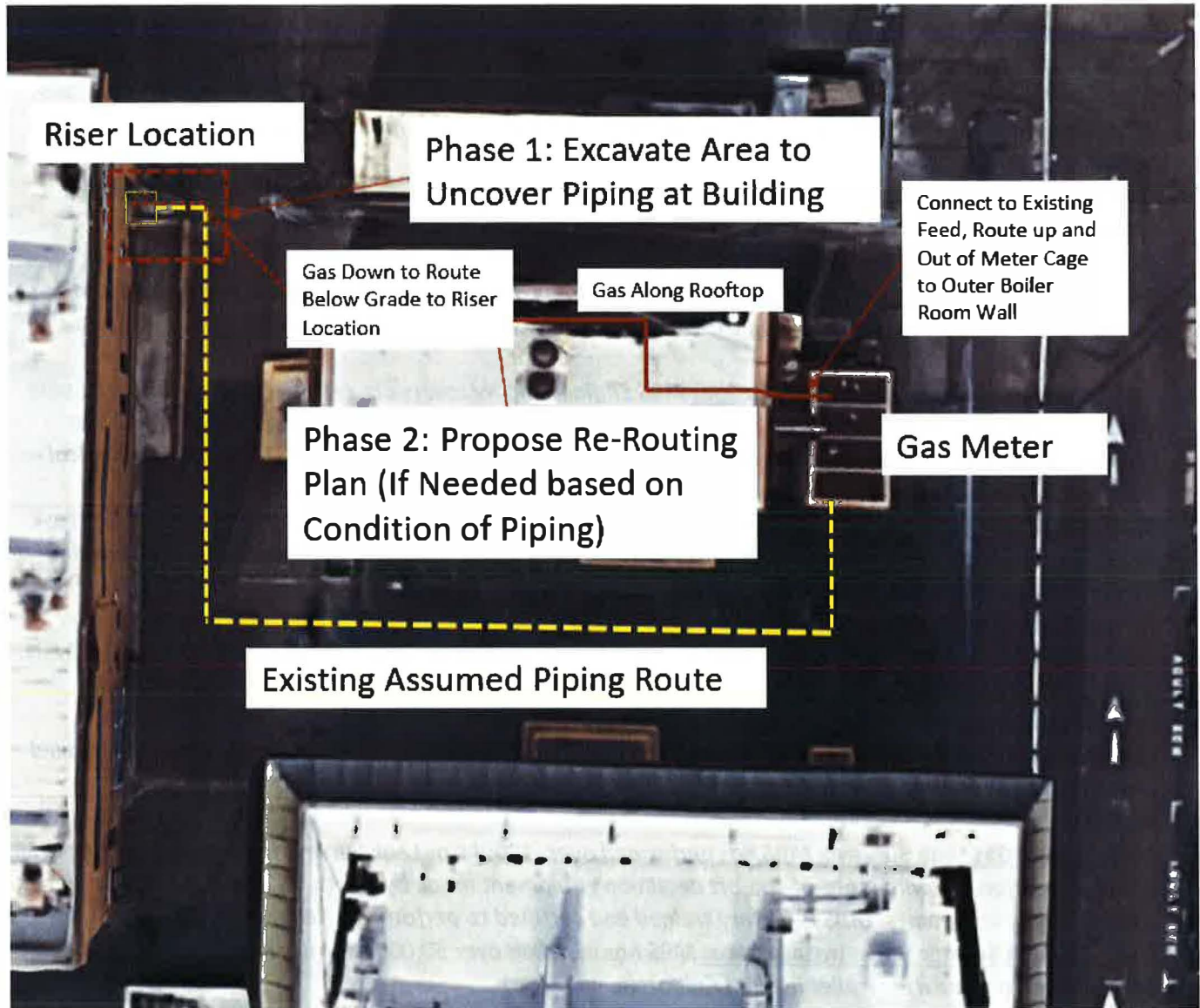


Tel +1 925-334-7200
WWW.MBS.ENGINEERING

QUALIFICATIONS:

- **Class A General Engineering & Class C-36 Plumbing Contractor License Holder:** License #990872 in the state of California
- **DIR Registered:** MBS Engineering is registered with the Department of Industrial Relations, #1000003509.
- **California Small Business (Micro):** MBS Engineering is a California certified small business with certification # 2033043.
- **OSHA 30 Certified Employees:** MBS Engineering engineers and field crew have completed OSHA 30-Hour Training Courses
- **ISN Certified Member:** ISN ID#400-236340
- **PG&E Gold Shovel Standard Certified:** MBS Engineering is a member of PG&E's Gold Shovel Standard which ensures safety standards during excavation and trenching for all underground utility work to the highest level.
- **PG&E Certified in PE Pipe Welding/Fusion:** MBS Engineering installers are certified and trained in PE pipe welding & fusion to PG&E utility procedures for natural gas piping sizes ½" through 8" under PG&E Gas Design Standard D-34. This includes Heat Iron Butt Fusion (Mechanical -Task ID PGE21-07 & Mechanical – Task ID PGE21-06), Electrofusion Couplings (Task ID PGE21-08) and Saddles (Task ID PGE21-09), Mechanical Stub Fittings (Task ID PGE21-11), Heat Iron Socket (Task ID PGE21-05), Heat Iron Saddle (Task ID PGE21-04) Fusion of PE Pipe, Damage Prevention During Excavation (OQ-0507), and Install & Backfill Pipe in Ditch: Plastic, Steel (OQ-0213).
- **PG&E Certified in Iron Pipe Welding:** MBS Engineering installers are PG&E trained and certified in Iron Pipe welding for use with natural gas piping sizes 12" and smaller per utility Procedure # TD-4160P-30-F01.
- **Over (100) Gas Piping Replacements:** MBS Engineering has performed over (100) projects involving natural gas piping replacements of outdated or faulty natural gas pipelines.
- **Over (200,000) Lineal Feet of Underground PE Natural Gas Pipe Installed:** MBS Engineering has installed over 200,000 lineal feet of underground natural gas piping since 2016, all to PG&E standards and procedures.
- **Over (1,000) Gas Leak Surveys:** MBS has performed over (1000) Gas Leak Surveys in the last (3) years alone. All performed with state-of-the-art detection equipment made by Heath US, the same equipment used by utility companies. MBS is factory trained and certified to perform gas leak surveys
- **Over (50,000) Seismic Valve Installations:** MBS has installed over 50,000 seismic shut-off valves in the last 10 years and are the #1 installer in all of California.
- **Certified Gas Regulator and Gas Meter Mechanics:** MBS Engineering installers are all factory trained and certified to install, repair and troubleshoot gas regulators and gas meters.
- **Experience with Universities, Colleges and School Districts:** MBS Engineering has completed projects with many universities, colleges and school districts including California State University, Fresno; University of California, Merced; Solano Community College, San Mateo Community College District, Alameda Unified School District and Pacifica Unified School District to name a few.
- **Experienced Engineers on Staff:** MBS Engineering employs experienced Engineers with a combined (30) years of natural gas experience. MBS Engineers specialize in gas system design, sizing, code requirements and expertise to ensure gas systems operate efficiently and for an extended life span.

DESCRIPTION OF JOB SERVICES:



Academy of Alameda – Phase 1 Repair (Riser Location)

- a. MBS to cut concrete around existing riser to expose 10 LF incoming pipe as well as existing valve and riser
 - a. Concrete Cutting – 10 LF x 3' Width x 4" Assumed Depth for asphalt
- b. All concrete to be removed and disposed of at proper facility
- c. MBS to excavate Pipe to discover leak location
 - a. Excavation 10 LF x 3' Width x 30-40" Depth
- d. All Spoils to be protected on-site (barriers/tarps), all trenches to be protected on-site - Completed
- e. MBS to soap test underground line to pinpoint leak location
- f. Once leak is discovered, MBS to repair incoming pipe, install new subgrade valve, new riser and new connection to piping coming into building
- g. MBS to also repair leaks inside the adjacent room by replacing leaking fittings (leak readings discovered in room but clutter prohibited us from tracking down exact location)
- h. After this repair is complete, MBS to pressure test line using air at 30 PSIG back to meter to determine condition of upstream pipe
- i. If pressure test passes, we will leave piping in place
- j. If pressure test fails, we will move to replace the entirety of the line
- k. Backfill area using native material to compaction after completion
- l. Install valve box and extension on newly installed MDPE valve
- m. Replace asphalt in kind

Academy of Alameda – Phase 2 Repair (Gas Line Replacement)

- a. MBS to replace line and re-route if determined incoming piping is in poor condition and fails pressure test.
- b. Piping Replacement Includes:
 - a. New connection to 3" Feed at Meter (connection to downstream portion of existing valve)
 - b. Route 3" Line up and out of meter cage routing along brick wall towards Boiler Room Building
 - c. Route 3" Line up exterior wall of boiler room building to rooftop
 - d. Route 3" line along top of rooftop (using Roofblocks for support every 8 feet) approximately 50 LF
 - e. Route down exterior of Boiler room building to feed line underground
 - f. Install 3" Anodeless Riser to route gas below grade
 - g. Install approximately 20 LF of below ground 3" MDPE pipe to Phase 1 Repair
- c. Asphalt cutting and removal – Approximately 20 LF x 2' Width x 4" Depth
- d. Excavation: 20 LF x 2' Width x 30" Depth
- e. All Spoils to be protected on-site (barriers/tarps), all trenches to be protected on-site - Completed
- f. Pressure and leak test newly installed line at 30 PSIG for 30 Minutes

- g. Backfill and patchback of all excavated areas
- h. Paint pipe utility gray to prevent corrosion

INCLUSIONS:

- a. Work is to be performed during regular work hours (7:00 AM - 4:00 PM; Monday through Friday)
- b. MBS employs OSHA, Golden Shovel, and ISN safety standards for all construction sites
- c. MBS to furnish and install all required Related Materials
- d. MBS Engineering to leak test all newly installed parts

EXCLUSIONS:

- a. MBS is not responsible for any leaks up or downstream of our work
- b. MBS to relight gas appliances excluded
- c. MBS is not responsible for any leaks upstream or downstream of our work
- d. MBS is not responsible for any gas appliance that will not relight after shutdown

APPLICABLE LAW:

This contract shall be governed by the laws of Alameda County, The State of California, and any applicable Federal Law.

INSURANCE:

A current insurance certificate for MBS will be on file with Alameda Unified School District and will be listed as additional insured.

PAYMENT:

Payment Terms: Monthly Billing Based on Schedule of Values, Net 15

MBS PRODUCT AND SERVICE QUOTE:

Service Location	Academy of Alameda	Contact	Robbie Lyng
		Number	510-812-9228
Gas Leak Repairs – Academy of Alameda – Phase 1			
Phases Totals			
Description	Total Estimate	Job	
2031 Asphalt/Concrete Cutting & Removal	\$1,316.00	8.65%	
2040 Excavation/Trenching	\$5,059.65	33.26%	
2051 Pipe Repair	\$3,361.92	22.10%	
2060 Backfill & Compaction	\$3,233.20	21.26%	
3010 Concrete/Asphalt Replacement	\$2,240.00	14.73%	
Total Estimate	\$15,210.77	100.00%	
Gas Leak Repairs – Academy of Alameda – Phase 2 (Line Replacement)			
Phases Totals			
Description	Total Estimate	Job	
2031 Asphalt/Concrete Cutting & Removal	\$1,387.50	3.84%	
2040 Excavation/Trenching	\$3,243.20	8.97%	
2051-1 Above Ground Pipe Installation	\$21,412.50	59.24%	
2051-2 Underground PE Gas Piping Installation	\$6,246.56	17.28%	
2060 Backfill & Compaction	\$2,661.33	7.36%	
3010 Concrete/Asphalt Replacement	\$1,194.50	3.30%	
Total Estimate	\$36,145.58	100.00%	
Total Bid – Gas Leak Repair			\$ 51,356.35

Thank you for this opportunity.

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WWW.MBS.ENGINEERING
License: #990872 (A & C-36)
CA Small Business: 2003043

MBS Engineering Proposal

December 18th, 2020

Logan Baron
Estimator
MBS Engineering
Logan@MBS.Engineering

TO: Robbie Lyng
2060 Challenger Dr
Alameda, CA 94501

RE: Academy of Alameda Grade 2+ Gas Leak Repair

SCOPE OF WORK:

MBS Engineering is proposing to repair the Grade 2+ gas leak found at Academy of Alameda during a Gas Leak Detection Survey. MBS Engineering is certified to perform this work based on PG&E OQ-2104, OQ-2107, OQ-2108, OQ-2109, OQ-2111, and OQ-0213. Scope of work includes proper safety protocols, sawcutting to remove hardscape in place, proper repair, backfill, patch back and leak testing.



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QUALIFICATIONS:

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- **DIR Registered:** MBS Engineering is registered with the Department of Industrial Relations, #1000003509.
- **California Small Business (Micro):** MBS Engineering is a California certified small business with certification # 2033043.
- **OSHA 30 Certified Employees:** MBS Engineering engineers and field crew have completed OSHA 30-Hour Training Courses
- **ISN Certified Member:** ISN ID#400-236340
- **PG&E Gold Shovel Standard Certified:** MBS Engineering is a member of PG&E's Gold Shovel Standard which ensures safety standards during excavation and trenching for all underground utility work to the highest level.
- **PG&E Certified in PE Pipe Welding/Fusion:** MBS Engineering installers are certified and trained in PE pipe welding & fusion to PG&E utility procedures for natural gas piping sizes ½" through 8" under PG&E Gas Design Standard D-34. This includes Heat Iron Butt Fusion (Mechanical -Task ID PGE21-07 & Mechanical – Task ID PGE21-06), Electrofusion Couplings (Task ID PGE21-08) and Saddles (Task ID PGE21-09), Mechanical Stub Fittings (Task ID PGE21-11), Heat Iron Socket (Task ID PGE21-05), Heat Iron Saddle (Task ID PGE21-04) Fusion of PE Pipe, Damage Prevention During Excavation (OQ-0507), and Install & Backfill Pipe in Ditch: Plastic, Steel (OQ-0213).
- **PG&E Certified in Iron Pipe Welding:** MBS Engineering installers are PG&E trained and certified in Iron Pipe welding for use with natural gas piping sizes 12" and smaller per utility Procedure # TD-4160P-30-F01.
- **Over (100) Gas Piping Replacements:** MBS Engineering has performed over (100) projects involving natural gas piping replacements of outdated or faulty natural gas pipelines.
- **Over (200,000) Lineal Feet of Underground PE Natural Gas Pipe Installed:** MBS Engineering has installed over 200,000 lineal feet of underground natural gas piping since 2016, all to PG&E standards and procedures.
- **Over (1,000) Gas Leak Surveys:** MBS has performed over (1000) Gas Leak Surveys in the last (3) years alone. All performed with state-of-the-art detection equipment made by Heath US, the same equipment used by utility companies. MBS is factory trained and certified to perform gas leak surveys
- **Over (50,000) Seismic Valve Installations:** MBS has installed over 50,000 seismic shut-off valves in the last 10 years and are the #1 installer in all of California.
- **Certified Gas Regulator and Gas Meter Mechanics:** MBS Engineering installers are all factory trained and certified to install, repair and troubleshoot gas regulators and gas meters.
- **Experience with Universities, Colleges and School Districts:** MBS Engineering has completed projects with many universities, colleges and school districts including California State University, Fresno; University of California, Merced; Solano Community College, San Mateo Community College District, Alameda Unified School District and Pacifica Unified School District to name a few.
- **Experienced Engineers on Staff:** MBS Engineering employs experienced Engineers with a combined (30) years of natural gas experience. MBS Engineers specialize in gas system design, sizing, code requirements and expertise to ensure gas systems operate efficiently and for an extended life span.

DESCRIPTION OF JOB SERVICES:

Academy of Alameda Gas Leak Repair

- a. MBS to sawcut and remove asphalt
- b. MBS to dispose of asphalt at proper site
- c. MBS to excavate from riser to riser and remove existing gas pipe
- d. MBS to remove existing risers and replace with new risers
- e. MBS to replace entire stretch of line with MDPE for a corrosion resistant repair
- f. Repair to include tracer wire and bury tape

INCLUSIONS:

- a. Work is to be performed during regular work hours (7:00 AM - 4:00 PM; Monday through Friday)
- b. MBS employs OSHA, Golden Shovel, and ISN safety standards for all construction sites
- c. MBS to furnish and install all required Related Materials
- d. MBS Engineering to leak test all newly installed parts

EXCLUSIONS:

- a. MBS is not responsible for any leaks up or downstream of our work
- b. MBS to relight gas appliances excluded
- c. MBS is not responsible for any gas appliance that will not relight after shutdown

APPLICABLE LAW:

This contract shall be governed by the laws of Alameda County, The State of California, and any applicable Federal Law.

INSURANCE:

A current insurance certificate for MBS will be on file with Alameda Unified School District and will be listed as additional insured.

PAYMENT:

Payment Terms: Monthly Billing Based on Schedule of Values, Net 15

MBS PRODUCT AND SERVICE QUOTE:

Service Location 1	Academy of Alameda	Contact	Robbie Lyng																		
		Number	510-812-9228																		
Gas Leak Repair – Academy of Alameda																					
<table><tr><td>Description</td><td>Total Estimate</td><td>Job</td></tr><tr><td>01 Mobilization and Safety</td><td>\$2,764.40</td><td>11.30%</td></tr><tr><td>02 Equipment</td><td>\$3,587.36</td><td>14.66%</td></tr><tr><td>03 Asphalt Cutting and Patch Back</td><td>\$8,909.82</td><td>36.42%</td></tr><tr><td>04 Gas Line Replacement</td><td>\$9,203.20</td><td>37.62%</td></tr><tr><td>Total Estimate</td><td>\$24,464.78</td><td>100.00%</td></tr></table>				Description	Total Estimate	Job	01 Mobilization and Safety	\$2,764.40	11.30%	02 Equipment	\$3,587.36	14.66%	03 Asphalt Cutting and Patch Back	\$8,909.82	36.42%	04 Gas Line Replacement	\$9,203.20	37.62%	Total Estimate	\$24,464.78	100.00%
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04 Gas Line Replacement	\$9,203.20	37.62%																			
Total Estimate	\$24,464.78	100.00%																			
Total Bid – Gas Leak Repair			\$24,464.78																		

Thank you for this opportunity.

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San Ramon, CA 94583
Tel +1 925-334-7200



WWW.MBS.ENGINEERING
License: #990872 (A & C-36)
CA Small Business: 2003043

MBS Engineering Proposal

January 4th, 2021

Logan Baron
Estimator
MBS Engineering
Logan@MBS.Engineering

TO: Robbie Lyng
2060 Challenger Dr
Alameda, CA 94501

RE: ACLC – Gas Leak Repair and Seismic Valve Installation

SCOPE OF WORK:

MBS Engineering is proposing to replace the leaking gas pipe and install a Seismic Shut-off Valve at the meter of ACLC. MBS Engineering is certified to perform this work based on PG&E OQ-2104, OQ-2107, OQ-2108, OQ-2109, OQ-2111, and OQ-0213. Scope of work includes proper safety protocols, pipe fitting, pipe threading, pipe cutting, pipe welding, and leak testing.



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QUALIFICATIONS:

- **Class A General Engineering & Class C-36 Plumbing Contractor License Holder:** License #990872 in the state of California
- **DIR Registered:** MBS Engineering is registered with the Department of Industrial Relations, #1000003509.
- **California Small Business (Micro):** MBS Engineering is a California certified small business with certification # 2033043.
- **OSHA 30 Certified Employees:** MBS Engineering engineers and field crew have completed OSHA 30-Hour Training Courses
- **ISN Certified Member:** ISN ID#400-236340
- **PG&E Gold Shovel Standard Certified:** MBS Engineering is a member of PG&E's Gold Shovel Standard which ensures safety standards during excavation and trenching for all underground utility work to the highest level.
- **PG&E Certified in PE Pipe Welding/Fusion:** MBS Engineering installers are certified and trained in PE pipe welding & fusion to PG&E utility procedures for natural gas piping sizes ½" through 8" under PG&E Gas Design Standard D-34. This includes Heat Iron Butt Fusion (Mechanical –Task ID PGE21-07 & Mechanical – Task ID PGE21-06), Electrofusion Couplings (Task ID PGE21-08) and Saddles (Task ID PGE21-09), Mechanical Stub Fittings (Task ID PGE21-11), Heat Iron Socket (Task ID PGE21-05), Heat Iron Saddle (Task ID PGE21-04) Fusion of PE Pipe, Damage Prevention During Excavation (OQ-0507), and Install & Backfill Pipe in Ditch: Plastic, Steel (OQ-0213).
- **PG&E Certified in Iron Pipe Welding:** MBS Engineering installers are PG&E trained and certified in Iron Pipe welding for use with natural gas piping sizes 12" and smaller per utility Procedure # TD-4160P-30-F01.
- **Over (100) Gas Piping Replacements:** MBS Engineering has performed over (100) projects involving natural gas piping replacements of outdated or faulty natural gas pipelines.
- **Over (200,000) Lineal Feet of Underground PE Natural Gas Pipe Installed:** MBS Engineering has installed over 200,000 lineal feet of underground natural gas piping since 2016, all to PG&E standards and procedures.
- **Over (1,000) Gas Leak Surveys:** MBS has performed over (1000) Gas Leak Surveys in the last (3) years alone. All performed with state-of-the-art detection equipment made by Heath US, the same equipment used by utility companies. MBS is factory trained and certified to perform gas leak surveys
- **Over (100,000) Seismic Valve Installations:** MBS has installed over 100,000 seismic shut-off valves in the last 10 years and are the #1 installer in all of California.
- **Certified Gas Regulator and Gas Meter Mechanics:** MBS Engineering installers are all factory trained and certified to install, repair and troubleshoot gas regulators and gas meters.
- **Experience with Universities, Colleges and School Districts:** MBS Engineering has completed projects with many universities, colleges and school districts including California State University, Fresno; University of California, Merced; Solano Community College, San Mateo Community College District, Alameda Unified School District and Pacifica Unified School District to name a few.
- **Experienced Engineers on Staff:** MBS Engineering employs experienced Engineers with a combined (30) years of natural gas experience. MBS Engineers specialize in gas system design, sizing, code requirements and expertise to ensure gas systems operate efficiently and for an extended life span.

DESCRIPTION OF JOB SERVICES:

Seismic Valve Installation

- a. MBS to remove pipe to create room for Seismic Shut-off Valve
- b. MBS to thread connections or weld in flanges for Seismic Valve connection
- c. MBS to install (1) Bottom Inlet 2" Vertical Seismic Valve
- d. MBS to leak test after installation

Gas Leak Repair

- a. MBS to remove existing gas pipe
- b. MBS to dispose of old pipe at proper site
- c. MBS to install approximately 10LF of gas pipe of various sizes
- d. MBS to paint newly installed pipe to prevent corrosion

INCLUSIONS:

- a. Work is to be performed during regular work hours (7:00 AM - 4:00 PM; Monday through Friday)
- b. MBS employs OSHA, Golden Shovel, and ISN safety standards for all construction sites
- c. MBS to furnish and install all required Related Materials
- d. MBS Engineering to leak test all newly installed parts

EXCLUSIONS:

- a. MBS is not responsible for any leaks up or downstream of our work
- b. MBS to relight gas appliances excluded
- c. MBS is not responsible for any gas appliance that will not relight after shutdown

APPLICABLE LAW:

This contract shall be governed by the laws of Alameda County, The State of California, and any applicable Federal Law.

INSURANCE:

A current insurance certificate for MBS will be on file with Alameda Unified School District and will be listed as additional insured.

PAYMENT:

Payment Terms: Monthly Billing Based on Schedule of Values, Net 15

MBS PRODUCT AND SERVICE QUOTE:

Service Location 1	ACLC	Contact	Robbie Lyng
		Number	510-812-9228
Seismic Valve Install and Gas Leak Repair – ACLC			
Description	Total Estimate		Job
01 Mobilization	\$1,253.60		14.66%
02 Materials and Equipment	\$3,758.40		43.95%
03 Labor	\$3,538.88		41.39%
Total Estimate	\$8,550.88		100.00%
Total Bid – Gas Work			\$8,550.88

Thank you for this opportunity.

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License: #990872 (A & C-36)
CA Small Business: 2003043

MBS Engineering Proposal

December 2nd, 2020

Dan Whaley
VP
MBS Engineering
Dan@MBS.Engineering

TO: Robbie Lyng
2060 Challenger Dr
Alameda, CA 94501

RE: Bay Farm School – Gas Leak Repair – Riser Replacement

SCOPE OF WORK:

MBS Engineering is proposing to repair the Grade 2+ leak discovered at Bay Farm School in Alameda, CA. This leak showed to be coming from the existing steel riser in place. MBS will replace with a MDPE riser, transitioning from the existing steel to MDPE to install a MDPE to Steel Transition Riser in its place. Scope of work includes excavation, pipe replacement, leak test and backfill.



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DESCRIPTION OF JOB SERVICES:

Bay Farm School – Riser Replacement



- a. MBS to excavate area in landscape
 - a. 3'x6' excavation to 12" below depth of existing pipe.
 - b. Excavate beneath footing in place to access riser
- b. MBS to remove leaking riser and replace with MDPE Riser
 - a. Installation to include (1) 1-1/4" MDPE to Steel Transition, (1) 1-1/4" Anodeless Riser, and (1) 1-1/4" Constab Coupling
 - b. MBS to tie-in to existing above ground piping in place (Install 1-1/4" Riser valve above ground)
- c. MBS to leak test after install
- d. Backfill area after completion
- e. Wrap all piping to prevent future corrosion

INCLUSIONS:

- a. Work is to be performed during regular work hours (7:00 AM - 4:00 PM; Monday through Friday)
- b. MBS employs OSHA, Golden Shovel, and ISN safety standards for all construction sites
- c. MBS to furnish and install all required Related Materials
- d. MBS Engineering to leak test all newly installed parts

EXCLUSIONS:

- a. MBS is not responsible for any leaks up or downstream of our work
- b. MBS to relight gas appliances excluded
- c. MBS is not responsible for any leaks upstream or downstream of our work
- d. MBS is not responsible for any gas appliance that will not relight after shutdown

APPLICABLE LAW:

12855 Alcosta Blvd
San Ramon, CA 94583
Tel +1 925-334-7200



WWW.MBS.ENGINEERING

License: #990872 (A & C-36)

CA Small Business: 2003043

MBS Engineering Proposal

December 3rd, 2020

Logan Baron
Estimator
MBS Engineering
Logan@MBS.Engineering

TO: Robbie Lyng
2060 Challenger Dr
Alameda, CA 94501

RE: Island High School Gas Leak Repair

SCOPE OF WORK:

MBS Engineering is proposing to repair the Grade 1 leak found at Island High School during a Gas Leak Detection Survey. MBS Engineering is certified to perform this work based on PG&E OQ-2104, OQ-2107, OQ-2108, OQ-2109, OQ-2111, and OQ-0213. This proposal does not include mobilization, the plan is to fit this in with another job. Scope of work includes proper safety protocols, pipe cutting, installation of new pipe, and leak testing.



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WWW.MBS.ENGINEERING

QUALIFICATIONS:

- **Class A General Engineering & Class C-36 Plumbing Contractor License Holder:** License #990872 in the state of California
- **DIR Registered:** MBS Engineering is registered with the Department of Industrial Relations, #1000003509.
- **California Small Business (Micro):** MBS Engineering is a California certified small business with certification # 2033043.
- **OSHA 30 Certified Employees:** MBS Engineering engineers and field crew have completed OSHA 30-Hour Training Courses
- **ISN Certified Member:** ISN ID#400-236340
- **PG&E Gold Shovel Standard Certified:** MBS Engineering is a member of PG&E's Gold Shovel Standard which ensures safety standards during excavation and trenching for all underground utility work to the highest level.
- **PG&E Certified in PE Pipe Welding/Fusion:** MBS Engineering installers are certified and trained in PE pipe welding & fusion to PG&E utility procedures for natural gas piping sizes ½" through 8" under PG&E Gas Design Standard D-34. This includes Heat Iron Butt Fusion (Mechanical -Task ID PGE21-07 & Mechanical – Task ID PGE21-06), Electrofusion Couplings (Task ID PGE21-08) and Saddles (Task ID PGE21-09), Mechanical Stub Fittings (Task ID PGE21-11), Heat Iron Socket (Task ID PGE21-05), Heat Iron Saddle (Task ID PGE21-04) Fusion of PE Pipe, Damage Prevention During Excavation (OQ-0507), and Install & Backfill Pipe in Ditch: Plastic, Steel (OQ-0213).
- **PG&E Certified in Iron Pipe Welding:** MBS Engineering installers are PG&E trained and certified in Iron Pipe welding for use with natural gas piping sizes 12" and smaller per utility Procedure # TD-4160P-30-F01.
- **Over (100) Gas Piping Replacements:** MBS Engineering has performed over (100) projects involving natural gas piping replacements of outdated or faulty natural gas pipelines.
- **Over (200,000) Lineal Feet of Underground PE Natural Gas Pipe Installed:** MBS Engineering has installed over 200,000 lineal feet of underground natural gas piping since 2016, all to PG&E standards and procedures.
- **Over (1,000) Gas Leak Surveys:** MBS has performed over (1000) Gas Leak Surveys in the last (3) years alone. All performed with state-of-the-art detection equipment made by Heath US, the same equipment used by utility companies. MBS is factory trained and certified to perform gas leak surveys
- **Over (50,000) Seismic Valve Installations:** MBS has installed over 50,000 seismic shut-off valves in the last 10 years and are the #1 installer in all of California.
- **Certified Gas Regulator and Gas Meter Mechanics:** MBS Engineering installers are all factory trained and certified to install, repair and troubleshoot gas regulators and gas meters.
- **Experience with Universities, Colleges and School Districts:** MBS Engineering has completed projects with many universities, colleges and school districts including California State University, Fresno; University of California, Merced; Solano Community College, San Mateo Community College District, Alameda Unified School District and Pacifica Unified School District to name a few.
- **Experienced Engineers on Staff:** MBS Engineering employs experienced Engineers with a combined (30) years of natural gas experience. MBS Engineers specialize in gas system design, sizing, code requirements and expertise to ensure gas systems operate efficiently and for an extended life span.

DESCRIPTION OF JOB SERVICES:



Paden Elementary – Leak #3 – 4” Seismic Valve Flange at Thread

- a. MBS to cut through pipe
- b. MBS to remove cut pipe in order to remove plug valve
- c. MBS to install new pipe
- d. MBS to leak test after install

INCLUSIONS:

- a. Work is to be performed during regular work hours (7:00 AM - 4:00 PM; Monday through Friday)
- b. MBS employs OSHA, Golden Shovel, and ISN safety standards for all construction sites
- c. MBS to furnish and install all required Related Materials
- d. MBS Engineering to leak test all newly installed parts

EXCLUSIONS:

- a. MBS is not responsible for any leaks up or downstream of our work
- b. MBS to relight gas appliances excluded
- c. MBS is not responsible for any leaks upstream or downstream of our work
- d. MBS is not responsible for any gas appliance that will not relight after shutdown

APPLICABLE LAW:

This contract shall be governed by the laws of Alameda County, The State of California, and any applicable Federal Law.

INSURANCE:

A current insurance certificate for MBS will be on file with Alameda Unified School District and will be listed as additional insured.

PAYMENT:

Payment Terms: Monthly Billing Based on Schedule of Values, Net 15

MBS PRODUCT AND SERVICE QUOTE:

Service Location 1	Island High School	Contact	Robbie Lyng
		Number	510-812-9228
Gas Leak Repairs – Island High			
Description	Total Estimate		Job
01 Leak Repair	\$982.56		100.00%
Total Estimate	\$982.56		100.00%
Total Bid – Gas Leak Repair			\$982.56

Thank you for this opportunity.

This contract shall be governed by the laws of Alameda County, The State of California, and any applicable Federal Law.

INSURANCE:

A current insurance certificate for MBS will be on file with Alameda Unified School District and will be listed as additional insured.

PAYMENT:

Payment Terms: Monthly Billing Based on Schedule of Values, Net 15

MBS PRODUCT AND SERVICE QUOTE:

Service Location 1	Bay Farm School	Contact	Robbie Lyng
		Number	510-812-9228
Gas Leak Repairs – Bay Farm School (Not To Exceed)			
Phases Totals			
Description	Total Estimate	Job	
01 Leak #1	\$8,415.50	100.00%	
Total Estimate	\$8,415.50	100.00%	
Total Bid – Gas Leak Repairs (Not To Exceed)			\$8,415.50

Thank you for this opportunity.