

Project Specific Safety and Health Plan

MPWSP – Transfer and Feed Water Pipelines



Project Location: From General Jim Moore Blvd in Seaside, CA to Charles Benson Road in the county of Monterey, CA.

Project Description

Project scope of work includes the installation of approximately 59,000 LF of 36” and 42” ductile iron water line, relocating existing water mains and services along the alignment, valves and appurtenances, and street resurfacing.

Location: Areas of Seaside, Marina, County of Monterey

Key Personnel:

Personnel	Location	Cell Phone	Email
Operations Manager – Kevin Downs	Off Site/On Site	925-724-9493	kdowns@garney.com
Executive VP – Bill E. Williams	Off Site	925-337-2174	bewilliams@garney.com
General Superintendent – Greg Lutes	Offsite/On Site	916-217-4615	gregl@garney.com
Safety Manager – Joshua Gallagher	Off Site/Onsite	209-275-9564	jgallagher@garney.com
Project Manager – Sean Summers	Off Site/Onsite	415-350-3219	ssummers@garney.com
Superintendent – Brian Thompson	On Site	209-665-9922	bthompson@garney.com
Project Engineer – Nick Hansen	Off Site/Onsite	214-535-1486	nhansen@garney.com
Foreman – Kevin Netto	Onsite	831-756-9265	knetto@garney.com

Project Operations (All operations will be performed in accordance with Garney’s Safety Program)

Excavations	Cathodic Protection
On and offsite material hauling	Backfill and Compaction
Aerial Lifting	Concrete Placement
Pipe positioning	Pipe Disinfection
Traffic Control	Street Resurfacing
Shoring	Setting/Maintaining BMP’s
Potential Dewatering	Electrical/Signal Restoration
Welding	Relocation/Restoration of Conflicting Utilities
Pressure Testing	Cutting and Grinding

Anticipated Hazards/Exposures

Confined Space	Public exposure
Slip/Trips/Falls	Concurrent work with other trades
Materials Handling	Groundwater
Fire	Night Work

Existing utilities	Vehicular traffic adjacent to work zone
Hand and Power Tools	Hazardous Materials in Soil
Cave-Ins	
Weather Extremes	
Mobile Equipment	

Required PPE

Hard Hats	
Work Gloves	
Safety Glasses	
Appropriate Footwear	
High Visibility Clothing	
Goggles and Face Shields (when creating debris)	

Competent Persons

Name	Company	Operation
Kevin Downs	Garney	Operation Manager
Greg Lutes	Garney	General Superintendent
Joshua Gallagher	Garney	Regional Safety Manager
Sean Summers	Garney	Project Manager
Brian Thompson	Garney	Project Foreman

Project Safety Management and Responsibilities

Safety will be managed and regulated in accordance with Garney’s Corporate Health and Safety Program and the site specific health and safety plan.

Emergency Action Plan

Emergency Services 911

Service	Name	Address	Phone
Medical Clinic	Monterey Bay Urgent Care	245 Washington St. Monterey, CA	(831) 372-2273
Medical Hospital	Community Hospital of the Monterey Peninsula	23625 Holman Hwy Monterey, CA	(831) 624- 5311
Fire/Rescue- Seaside	Seaside Fire Department	1635 Broadway Avenue Seaside, CA	911 (831) 899-6790

Police- Seaside	Seaside Police Depart.	Seaside City Hall 440 Harcourt Ave Seaside, CA	(831) 899-6748
Fire/Rescue- Marina	Marina Fire Department	211 Hillcrest Ave Marina, CA	(831) 884-1226
Police- Marina	Marina Police Depart.	211 Hillcrest Ave Marina, CA	(831) 884-1210

First Aid Trained Personnel

Name	Cell Phone
Greg Lutes	916-217-4615
Kevin Downs	925-724-9493
Brian Thompson	209-665-9922
Nick Hansen	214-535-1486

EMERGENCY ACTION PLAN (EAP)

The emergency action plan for this jobsite was created to define responsibilities and procedures to be followed by staff in effectively responding to an emergency. It is a guideline to follow in the event of an emergency to help the process of getting professional medical attention to the person or personnel involved in the incident. In this EAP, specific duties will be the responsibility of some individuals on this jobsite. In an emergency all personnel should know:

1. **What is my role?**
2. **Where should I go?**

These two questions need to be answered in an emergency action plan and are crucial in the overall successful of the plan. The responsibilities on this jobsite are as follows:

ROLES AND RESPONSIBILITIES

· **OPERATION MANAGER: Kevin Downs**

- o Will contact the main office & safety officers.
- o Will contact the owner and engineer.
- o Will be the company liaison between the project and any media.
- o Will come to the jobsite and be positioned at the job trailer and near the entrance gate.

· **PROJECT SUPERINTENDENT: Greg Lutes**

- o Will be coordinating all the activities surrounding the incident.
- o Will coordinate the actions of the crew not involved in the accident.
- o Will be involved in clearing the area of all people who are not involved with the care of the injured.
- o After everyone is accounted for, will determine if and when the site will be evacuated

· **PROJECT FOREMAN: Brian Thompson**

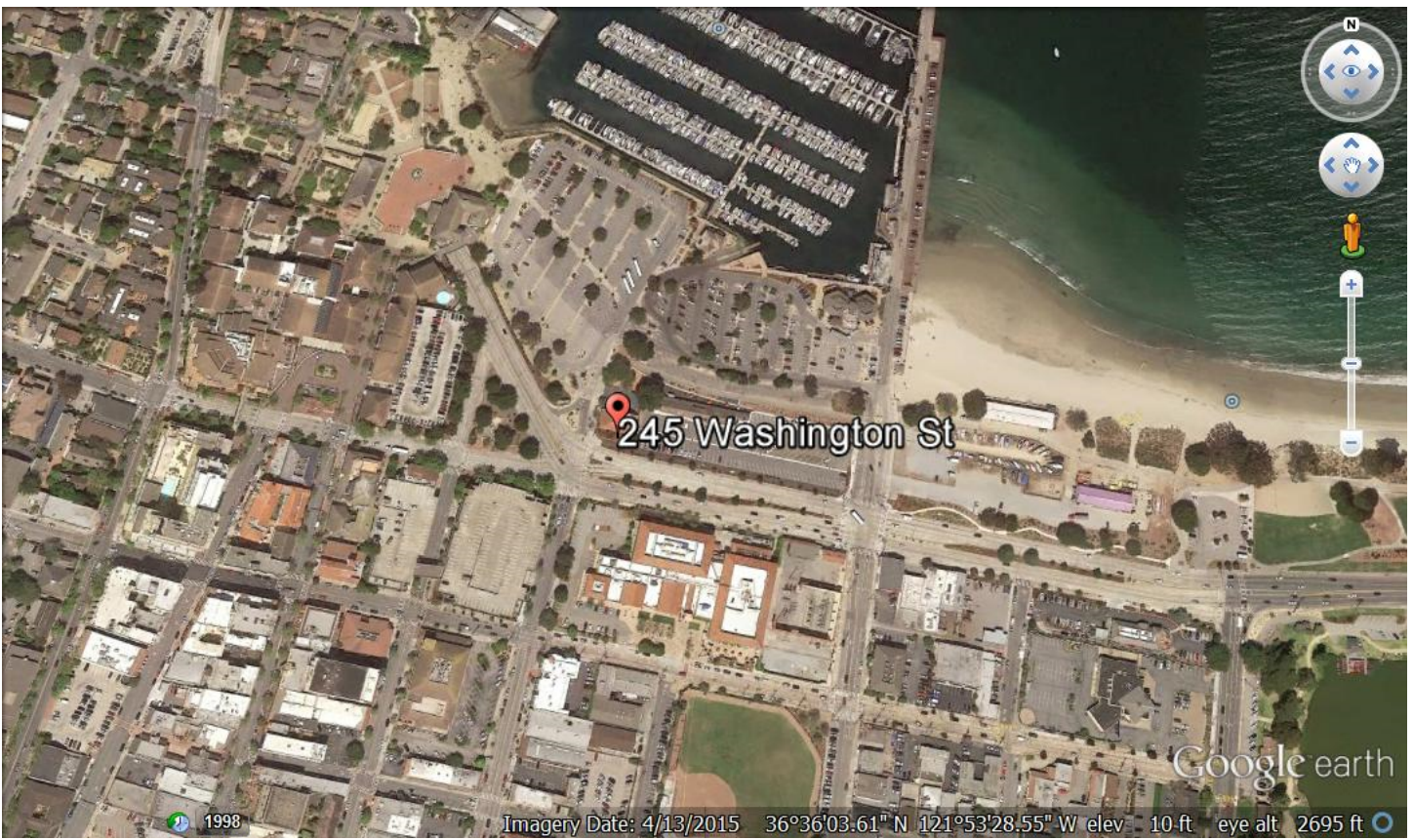
- o Will be positioned next to the main access to be the first point of contact with the ambulance, fire, and police that may arrive at the site.
- o Will contact the main office & safety officers as a backup.

· **FIRST AID RESPONDERS:**

o First aid responders will stay with the injured giving as much medical attention as possible. These people must stay with the employee until professional medical response has arrived and taken over the situation.

IN THE EVENT OF AN INJURY REQUIRING IMMEDIATE MEDICAL ATTENTION, THE INFORMATION NEEDS TO BE RELAYED TO COMMAND CENTRAL (OM, PM, OR SUPER) SO THEY CAN CALL 911. FIRST AVAILABLE PERSON WILL CALL 911. IF THIS IS A CONFINED SPACE RESCUE CALL 911

Clinic Directions



Emergency/Evacuation

The Evacuation Signal will be **THREE LONG BLASTS** of a horn. If you hear this sequence of sounds assume the danger is real and immediately evacuate the work area and report to the Assembly Point. In addition, notification will be made to all Garney project employees assigned a radio. When the emergency signal is received, the assigned radio carrier has the responsibility to alert fellow crew members and any other nearby project employees.

Garney will provide and maintain minimum of 2ea separate egress points available at all times. Rescue operations will be closely coordinated with the Monterey/Seaside Fire and Rescue Teams depending on location along the pipeline.

Assembly

Upon receiving instructions to assemble, all craft employees will secure their work areas and walk in a calm, orderly manner to the assembly area. Due to the linear aspect of this project, the assembly area is designated as the onsite Foreman’s Truck.

Securing a work area includes, but is not limited to, the following:

- All motorized equipment, welding equipment and burning equipment will be shut down.
- All gas, diesel, propane, electrical, open flame and other powered equipment will be shut down immediately. All work permits will become void.
- All electrically powered tools will be disconnected from their power source.
- Employees assigned to motorized equipment/vehicles will park off the site roads clear of fire-protection devices, i.e., hose houses, hydrants, and PI valves.
- Use or dispensing of flammable or combustible liquids and gases shall cease and containers of same shall be closed.
- Use or dispensing of corrosive liquids or solids shall cease and containers of same shall be closed.

NOTE: No vehicles other than emergency vehicles will be driven on the site in an emergency condition without the permission of the Site Foreman.

- Contractor supervision will ensure all employees working in remote areas and in confined spaces have been alerted and have proceeded to the assembly area.
- No attempt will be made to search the emergency for missing employees until:
- It is determined that a search and rescue party can be reasonably protected and equipped during such a search.

KNOW YOUR ROLE, SOMEONES LIFE COULD DEPEND ON IT

In the event of an emergency, employees should react as follows:

1. Stop all work immediately
2. Shut down all machinery, equipment and hot work
3. *Notify the Emergency Response Team*
4. Notify any subcontractors working in their area
5. Proceed to assembly point (onsite Foreman Truck)

Emergency Notification List

Contact	Company	Cell #	Email
Greg Lutes	Garney	916-217-4615	gregl@garney.com
Bill E. Williams	Garney	925-337-2174	bewilliams@garney.com
Kevin Downs	Garney	925-724-9493	kdowns@garney.com
Sean Summers	Garney	415-350-3219	ssummers@garney.com
Nick Hansen	Garney	214-535-1486	nhansen@garney.com
Joshua Gallagher	Garney	209-275-9564	jgallagher@garney.com

Heat Stress

The combination of three risk factors (climatic conditions of the environment, work demands, and clothing) causes heat stress. This is evidenced by an increase in heat stress body temperature, heart rate, and sweating.

Assessment. Garney’s supervisor will assess the working conditions. Heat Stress will be considered if the environment is subjectively judged as being hot or the physiological markers of increased body temperature, increased heart rate, or excessive water loss are noted.

Controls. If the assessment concludes that employees may be at risk of heat stress, Garney’s supervisor shall implement one or more of various control measures.

Mobile Equipment

All operators of mobile equipment must be qualified and authorized by the Garney project superintendent prior to operating equipment.

Inspections

- a. Garney and its sub-contractors shall inspect all equipment for use on this project upon arrival or prior to use on the project site.
- b. Inspection items shall include but are not limited to the following.
- c. All safeguards are in place
- d. All audible sounds are working
- e. No leaks are present
- f. Entire machine is operation and meets manufacturers specifications
- g. Should any deficiencies be found, the Supervisor shall request the repairs and determine if the equipment is operational.
- h. Assigned operators shall inspect all equipment prior to each shifts use. Any necessary repairs shall be reported to the crew supervisor prior to use.

Traffic Control

Where construction activity could impact or come in contact with a travel roadway or path Garney Construction will develop a Traffic Control Plan in accordance with project standards and the contract documents. The Plan will be submitted and approved by the governing authority that has jurisdiction of the particular facility. Once approved this plan will be implemented during all construction interactions with the travel way.

During road closures and detours, approved Traffic Control Plan signage will be followed. Public access will be prohibited in road closures through the use of Type 3 and Type 1 barricades, cones, and other approved traffic control devices as shown in the Traffic Control Plan and MUTCD. Only exceptions for public passage through closures will be for emergency vehicles and local traffic where the driver lives within the closure area. Work will be halted in the area and said person will be escorted to their property to ensure the safety of the crew and public.

Parking

Employee and subcontractor parking will be in designated areas (laydown yards at La Playa, Lightfighter/First, and Jefferson Ranch). Only authorized company vehicles shall be allowed to be used as project transportation to the specific work zones outside the project laydown areas.

Stop Work Authority

Each worker has the right to stop an unsafe activity and report unsafe actions.

First Aid Kits

First Aid Kits are located in all Garney Construction Vehicles and the Jobsite Office/Container.

Personal Protective Equipment (PPE)

On site personnel, visitors and vendors must use all required PPE's at all times. At Minimum, this includes High Visibility Vests, Hard Hats, Safety Glasses, and Proper footwear. First violation is written warning and counseling, second violation will result in dismissal from the project.

Confined Space

Garney is responsible for evaluating the work site to determine if any confined spaces would be deemed permit required confined spaces. Prior to every entry into a confined space atmospheric testing with an air monitor shall be completed. All air monitors shall be bump tested prior to use and shall be calibrated at least once every quarter. Documentation of the calibration shall be made available to all persons involved in confined space work. Garney does not anticipate permit required confined spaces on this project.

Slips/Trips/Falls

Slips, trips, and falls can be prevented with proper attention to the surrounding conditions and good housekeeping techniques. As this project is within the winter month’s attention to wet conditions and analyzing the surrounding area prior to movements is critical. Winterization of roads and walkways will be required to maintain stable work environments.

Existing Utilities - USA and Utility Coordination

Prior to any excavation for installation of pipe or service relocations, Garney will call in to Underground Service Alert (USA) for the entire pipe design configuration for utility marking, and will pothole all utilities within the pipe alignment to ensure all utilities and depths of pipe are positively identified. During potholing and construction activities around PG&E transmission lines or other high pressure lines, Garney will contact PG&E prior to work in the area, and will have a PG&E representative onsite to assist in pipe locating and as a safeguard from any potential punctures. The USA will remain active until Garney is finished with construction in the area. The following table provides the utility contact information for the project.

UTILITY CONTACTS FOR PROJECT AREA					
AGENCY	TYPE	CONTACT	TITLE	PHONE	EMAIL
AT&T	COMMUNICATIONS	JANICE COMASKEY	ADMIN MANAGER CONSTRUCTION & ENGINEERING	(408) 635-8781	jc4363@att.com
CALIFORNIA AMERICAN WATER	WATER	DOUGLAS FRASER	SENIOR PROJECT MANAGER	(831) 236-4494	douglas.fraser@camwater.com
COMCAST	COMMUNICATIONS	MARK ROSE	CABLE CONTRACTOR	(831) 633-2392	mark.rose@cablecomllc.net
CITY OF MARINA	SEWER AND STORM DRAIN	NOURDIN KHAYATA	CITY ENGINEER	(831) 884-1212	nkhayata@ci.marina.ca.us
CITY OF MONTEREY	SEWER AND STORM DRAIN	JOHN KUEHL	BUILDING OFFICIAL	(831) 646-5643	kuehl@monterey.org
CITY OF PACIFIC GROVE	SEWER AND STORM DRAIN	VINCE GENTRY	SEWER FIELD SUPERVISOR	(831) 648-5722	vgentry@ci.pg.ca.us
CITY OF SEASIDE	SEWER, STORM DRAIN AND WATER	RICK RIEDL	SENIOR CIVIL ENGINEER	(831) 899-6884	rriedl@ci.seaside.ca.us
COUNTY OF MONTEREY	SEWER AND STORM DRAIN	CHAD ALINIO	CIVIL ENGINEER	(831) 755-4937	alinios@co.monterey.ca.us
MARINA COAST WATER DISTRICT	WATER	BRIAN TRUE	CAPITAL PROJECTS MANAGER	(831) 384-6131	btrue@mcwd.org
PG&E	GAS AND ELECTRIC	WEIDONG TAN	ENGINEERING & PLANNING DIV.	(831) 784-3510	wxtk@pge.com
MONTEREY PENINSULA WATER MANAGEMENT OFFICE	WATER	JOE OLIVER	WATER RESOURCES MANAGER	(831) 658-5600	joe@mpwmd.dst.ca.us
MONTEREY REGIONAL WATER POLLUTION CONTROL AGENCY	SEWER AND RECYCLED WATER	JENNIFER GONZALES	ENGINEERING MANAGER	(831) 883-6172	jennifer@mrwpca.com
PRESIDO OF MONTEREY, US ARMY	UTILITIES	ANDREW STILLWELL	PUBLIC UTILITIES SPECIALIST	(831) 242-3100	andrew.n.stillwell.civ@mail.mil
FORT ORD REUSE AUTHORITY (FORA)	FORT ORD PROPERTY	STAN COOK	FACILITIES MANAGER	(831) 883-3672	stan@fora.org

Hand and Power Tools

All hand and power tools shall be maintained and operated in a safe condition and be used/operated as per the manufacturer’s guidelines. All power tools designed by the manufacture with a guard shall have the guard in place at all times while in operation. All employees working with hand and power tools that produce flying sparks or particles shall be equipped with safety goggles and a full face shield. All hand and power tools shall be inspected prior to every use by

the operator of the tool. All tools found to be not in proper working condition shall be immediately removed from service and tagged out of service.

Cave-ins

Cave-ins will be prevented by following proper excavation procedures. Competent Persons, during their inspections, shall be able to determine the adequate protective system as required for Soil Classification determined. Protective systems are to be installed on all excavations greater than 5' in depth. Protective Systems shall be installed to protect workers from cave-ins. The system installed shall be one of the following:

- 1) Sloping or benching of the excavated wall*
- 2) Bracing using hydraulic aluminum shoring or trench shields*
- 3) System designed by a registered professional engineer.*

Concurrent Work with Other Trades

As this project is within an active construction zone with multiple contractors on site, it is important to coordinate activities to ensure activities will not conflict. Employee's attention to surrounding trades and moving equipment within the work zone is critical to maintain awareness of positioning. When entering an active work zone occupied by other trades, properly communicate your work activity to other contractors to mitigate conflicts and make them aware of your items of work which could overlap.

Drug Screening Procedures

New Hire Employee Screen

All prospective Garney newly hired employees must complete and pass a drug screen prior to performing any task(s). The drug screen should be performed before they receive orientation.

The drug screen will be performed on site or at the clinic by trained personnel utilizing a five panel drug screen.

If a positive drug screen is obtained from the onsite drug screen, results will be documented and the individual will be escorted to the company clinic where a lab based drug screen will be performed.

Post-Accident Screen

All Garney employees involved in an accident or serious incident will be drug screened. Employees that must go to the clinic for injury treatment will be drug tested at the clinic. Employees involved in an accident or serious incident but do not require medical treatment at a clinic will be drug screened on site utilizing using a five panel drug screen.

If a positive drug screen is obtained from the onsite drug screen, results will be documented and the individual will be escorted to the company clinic where a lab based drug screen will be performed.

General Rules of Conduct:

The following general rules of conduct apply to all contractors and their employees while engaged in work for or on behalf of this project.

- A. Never perform work over the heads of people or leave tools or equipment overhead.
- B. Never jump from any elevated surface.
- C. Isolate and identify hazardous work areas with safety markers, tape barriers, blinking lights, safety cones, or other means.
- D. Alcoholic beverages, illegal substances or persons under the influence of such products are not permitted on the project site.
- E. Firearms, explosives and ammunition are strictly prohibited.
- F. Employees must wear appropriate attire at all times while on site.
- G. All posted instructional signs such as WARNING, CAUTION, RESTRICTED AREA, etc. must be followed.
- H. Best management practices should be utilized to ensure safe and environmentally sound performance of all tasks.
- I. Appropriate signage must be used to adequately redirect traffic in the event of road or property access closures.
- J. Building exits and emergency equipment must be kept accessible at all times.
- K. Outdoor painting, grinding or similar activities should be done away from building air handling equipment or air intake vents.
- L. Indoor painting, grinding or similar activities must be done in a manner that does not become a hazard to employees or the public. Use of general or point of operation ventilation shall be used as necessary.
- M. All employees must have received appropriate safety training for their job tasks and for all chemicals and equipment to be used.
- N. Property, equipment, and materials left at job sites is done at the contractors risk and shall be stored in a manner that will not expose employees or the public to a hazard.
- O. All contractors must cooperate during any inspection of the work area by any authorized entity.

Training

Garney will provide regular and continuing H&S training for all employees, and to monitor subcontractor training programs. Training will include a site safety orientation as well as task-specific training as required by regulatory agencies or identified within the Garney Safety Manual.

Task Specific Training documentation for covered tasks are available for individual Garney Employees on record at the main office. Garney Employees will have proper documentation in hand during the performance of a task requiring specific training. i.e. Confined Space and mobile equipment operation.

Health and Safety Meetings and Communication

All safety meetings will be documented. Record retention will be in accordance with the contract. Regularly scheduled safety meetings will be held on the site for all personnel. At a minimum, these will include:

- **Tailgate Safety Meetings:** Each supervisor will hold a safety/task training meeting in his or her work area, at least weekly. Subject matter will include specific safety procedures pertinent to the crew's activities, with emphasis on safe working procedures and potential hazards.

- **Monthly Supervisor Safety Meetings:** Garney will hold a monthly meeting for all supervisors and managers to review safety statistics and safety incidents, address safety concerns, and develop action plans to achieve project H&S goals and objectives. Action items shall be documented and tracked to completion.
- **Safety Communications:** Garney will provide employees with pertinent information regarding health and safety as necessary with respect to: country-specific H&S regulatory information, company-specific safety information, awareness posters, communication of workplace incidents, etc. This can be accomplished through the use of strategically located employee communication bulletin boards.

Hazard Communications and SDS

For this project Garney Construction will follow the Hazardous Communications Program and/or GHS as outlined in the Garney Safety Manual.

Safety Data Sheets (SDS)

All materials, chemicals, and liquids used in process or conjunction with the construction of this project will be logged on a Job Master SDS List. This list along with a copy of the specific SDS sheets will be maintained by the project superintendent. In addition, this information may be available to all employees by means of duplicate copy of the logs and all SDS sheets located in each supervisors vehicle.

Hazardous Material Identification

Potential risks onsite include contact with Hazardous soils during the excavation of the pipeline. Should any material found contain noticeable odor or visible staining, operations will be halted and inspection will be performed by Hazwoper trained Garney personnel. If determined as potentially hazardous, Garney will notify the Owner and Monterey County Department of Environmental Health, and will retain qualified personnel for sampling and remediation based on the material classification.

Hazwoper Trained Personnel:

Greg Lutes	Garney Superintendent	916-217-4615	gregl@garney.com
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Asbestos Pipe Handling

Should Asbestos pipe be found in an area and require removal, Garney will perform the following procedures:

- Proper PPE per Cal OSHA standards will be worn by employees based confirmation of Asbestos pipe.
- Pipe will be assessed and wetted down to ensure the casing is not friable, and then will removed at the joints, bagged, labeled, and disposed of at an appropriate site.
- Should the pipe need to be cut at a certain location away from a joint, the pipe cut utilizing a snap cutter to minimize any particles. Sections will then be bagged, labeled, and disposed of as stated above

Contaminated Soil General Handling Procedures

The following are general procedures to be followed for hazardous soils found. The identified known potential hazardous material sites will be tested prior to construction in the area, and the handling procedures will be modified in a removal plan as necessary, depending on the pollutant(s) found.

- To minimize on-site storage, contaminated soil shall be disposed of properly in accordance with all applicable regulations. All hazardous waste storage will comply with the requirements in Title 22, CCR, Sections 6626.250 to 66265.260.
- Test suspected soils at an approved certified laboratory.
- If the soil is contaminated, work with the local regulatory agencies to develop options for treatment and/or disposal.
- Avoid temporary stockpiling of contaminated soils or hazardous material.
- If temporary stockpiling is necessary:
 - Cover the stockpile with plastic sheeting or tarps.
 - Install a berm around the stockpile to prevent runoff from leaving the area.
 - Do not stockpile in or near storm drains or watercourses.
- Contaminated material and hazardous material on exteriors of transport vehicles shall be removed and placed either into the current transport vehicle or the excavation prior to the vehicle leaving the exclusion zone.
- Monitor the air quality continuously during excavation operations at all locations containing hazardous material.
- Procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work, including registration for transporting vehicles carrying the contaminated material and the hazardous material.
- Collect water from decontamination procedures and treat and/or dispose of it at an appropriate disposal site.
- Collect non-reusable protective equipment, once used by any personnel, and dispose of at an appropriate disposal site.
- Install temporary security fence to surround and secure the exclusion zone. Remove fencing when no longer needed.
- Excavation, transport, and disposal of contaminated material and hazardous material shall be in accordance with the rules and regulations of the following agencies
 - United States Department of Transportation (USDOT).
 - United States Environmental Protection Agency (USEPA).
 - California Environmental Protection Agency (CAL-EPA).
 - California Division of Occupation Safety and Health Administration (CAL-OSHA).
 - Local regulatory agencies.

Known Potential Hazardous Soil Areas

An Environmental Database/Document Review Report (EDDRR) and the separate AECOM memo are attached to this Plan. Review of these databases was conducted for CalAm in order to identify potential hazardous sites that might impact the project corridor. The EDDRR included a third-party search of regulatory review databases undertaken by Environmental Data Resources (EDR) (sites within 1 mile), Envirostor (sites within 1/8-mile) and RWQCB's Geotracker online databases. The memo provides findings obtained during a November 14, 2016, Department of Toxic Substances Control's (DTSC) Envirostor Database review for waste sites within ¼ mile of the construction limits, as required in the Mitigation Monitoring and Reporting Plan.

The databases evaluated in these documents identified Recognized Environmental Conditions (RECs) that might have impacted soils or groundwater within the project corridor. Two sites were determined to present a potential REC and have the potential to impact soils or groundwater within the project corridor. Chemicals at these locations include:

- Total Petroleum Hydrocarbons as Gasoline (TPH-g)
- Benzene
- Methyl tertiary butyl ether (MTBE)
- Tertiary butyl alcohol (TBA)

In addition to this list of all hazardous chemicals with the potential to occur on the project site, the following table presents Permissible Exposure Limits associated with these chemicals.

**Permissible Exposure Limits and Chemical/Physical Properties
Project Field Activities**

Chemical Name	Cal OSHA PEL		NIOSH REL		Symptoms
	TWA (ppm)	STEL (ppm)	TWA (ppm)	STEL (ppm)	
gasoline	300 ppm	500 ppm	Ca	----	irritation eyes, skin, mucous membrane; dermatitis; headache, lassitude (weakness, exhaustion), blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonitis (aspiration liquid); possible liver, kidney damage; [potential occupational carcinogen]
benzene	1	5	Ca 0.1	1	irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen] Benzene is known to the State of California to cause cancer according to the provisions of Proposition 65.
MTBE	40	----	50	50	The substance is irritating to the skin. If this liquid is swallowed, aspiration into the lungs may result in chemical pneumonitis. Exposure far above the OEL could cause lowering of consciousness.

TBA	100	150	100	150	Irritation eyes, skin, nose, throat; drowsiness, narcosis
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PEL (Cal/OSHA) = Permissible Exposure Limit (8 CCR 5155, Table AC-1; 5120). California Department of Industrial Relations, General Industry Safety Orders for Chemical Contaminants; expressed as an 8-hour time-weighted average (TWA) concentration.

Per the *Environment Site Assessments and Remediation Reports*, the main site is found adjacent to the pipe alignment identified in the report to contain potential hazardous soil is found at the 351/401 Fremont St area in Monterey. This area will be potholed and sampled prior to construction to verify the material and check if it is above the hazardous material threshold. Plans will be provided to remove and remediate this soil based on the findings of the samples if found as hazardous. During potholing operations, no standing water was found in this area, and therefore contaminated water is not anticipated. If contaminated water is found, said water will be stored in holding tanks, tested, and remediated based on the contaminant found.

Secondary Area of potential hazardous material is the soil adjacent to State Route 68. This area will be tested for ADL, and should this area test above the hazardous material limits, a remediation and removal plan will be provided.

Fire Prevention

For this project Garney Construction will follow the Fire Prevention Program outlined in the Garney Safety Manual.

Fire Recognition

a. Major workplace fire hazards and or ignition sources for this site may include but are not limited to:

Welding Operations

Fuel Storage

b. Suppression Equipment:

All Garney owned pickups and construction equipment will be equipped with the 8# ABC fire extinguishers.

c. Smoking is permitted only in designated areas that will prohibit the ignition of fire from surrounding material. Smoking is prohibited within 50 feet of storage areas for flammable or explosive materials or near operations that constitute a fire hazard.

d. Open Flame Devices:

Do not leave open flame devices, such as torches, and heaters unattended.

Housekeeping

Good housekeeping will be maintained by promptly removing and disposing of accumulations of combustible scrap and debris in all areas of the job site. Properly collect, store, and remove combustible and flammable waste products at the end of each workday or at the end of each work shift. Use only noncombustible or UL labeled, nonmetallic containers to dispose of waste and rubbish. Keep combustible items separate from each other and from noncombustible items. Label the contents of containers.

Cell Phone Use

Cell use is prohibited in mobile equipment.

Garney Construction Accident Reporting

All employees and subcontractors' employees shall immediately report any incident to their supervisor (this includes accidents and incidents).

Reporting of injury or illness will be completed by the appropriate individuals as outlined in Garney Construction Safety Manual.

This document was created based on information known prior to project mobilization. Revisions and/or updates may be performed by Garney project management when additional information is known as the project progresses.