

Crestmoor Neighborhood – Phase III Utility Replacement Project

SPECIAL PROJECT CONDITIONS

PART 1 - GENERAL

The Crestmoor Neighborhood is a residential community that will require the Contractor to make a conscious and diligent effort to maintain the community's quiet residential status during the entire duration of the project's construction.

The neighborhood contains 374 homes whose residents have all experienced significant impacts and disruption due to the September 9, 2010 PG&E gas pipeline explosion and fire and ongoing reconstruction within the community. The City recognizes that the project's construction will be inconvenient and cause further disruption to the residents; however, the Contractor recognizes and acknowledges that it is the Contractor's obligation and responsibility to minimize impacts to the residents and agrees to perform the project's construction services with the least disruption possible. The Contractor shall fully cooperate with the community and the City to satisfactorily perform the construction services and to address promptly any issue(s) that may be identified by the City or community, or that may otherwise arise during the construction to minimize adverse impacts to the community. The Contractor shall perform and operate all construction activities as if they are a guest of the community.

At all times the Contractor shall adhere to the conditions stated herein. The term "Contractor" shall include the Contractor, Contractor's Employees, all Subcontractors, and any other parties performing work on behalf of the Contractor.

Part 2 – SPECIAL CONDITIONS

Site Behavior. The Contractor's attention is directed to Document 00 72 00 General Conditions, Section 10.4, Contractor's And Subcontractors' Employees. The conditions below shall supplement this referenced section.

- 2.1 No Foul, Profane, or Vulgar Language.** At all times, the Contractor shall perform the required duties without the use of foul, profane, or vulgar language (English or other non-English language included). Upon the City's request, employees witnessed or observed to be violating this condition shall be subject to immediate and permanent removal from the jobsite and project.
- 2.2 No Loud Language.** At all times, the Contractor shall perform their required duties without yelling, screaming, arguing, or other loud methods of communication. Upon the City's request, employees witnessed to be violating this condition shall be subject to immediate and permanent removal from the jobsite and project.
- 2.3 Smoking.** Smoking by the Contractor is prohibited at any time on the project site. This includes cigarettes, cigars, pipe, or any other form of smoked tobacco.
- 2.4 Cell Phone Use.** It is recognized that cell phones are a method of communication for the Contractor. However, in addition to compliance with all applicable laws regarding hand held devices while operating a vehicle or construction equipment, the use of cell phones shall not be allowed for any employees while operating or driving

any equipment on the site. Personnel operating any equipment on the site shall completely stop their machine prior to using their cell phone.

- 2.5 No Use of Private Property.** At no time shall the Contractor use, occupy, or trespass on any private property unless it is necessary for the construction of the utilities that are a part of this contract. This shall include any activity such as meals, breaks, meetings, and other activities during the course of construction and this Contract.
- 2.6 Trash.** The Contractor's attention is directed to Section 01 74 00 CLEANING which shall be strictly enforced. Contractor shall not leave any litter or trash on the site including, without limitation, construction debris, litter or trash from personal use, such as meals, snacks, drinks, or other personal use, or other litter or debris. As a residential community, the Contractor shall be responsible for keeping the entire neighborhood clean at all times during this Contract. All debris, trash, litter, and other material shall be picked up and cleared from the site on a daily basis. Any trash or debris left in the neighborhood at the end of the workday shall be deemed in violation of this condition, which the City may cause to be removed at the Contractor's expense and subtracted from payment applications.
- 2.7 Speeding.** The posted speed limit in the neighborhood is 25 mph. Due the close quarters of construction within a residential area, residents will be frequently coming and going. Contractor is responsible for using exceptional caution during construction when travelling in the neighborhood during the Contract including travelling at slower speeds to ensure the safety of all concerned. All Contractor trucks, pick-ups, loaders, lifts, and any other motorized vehicles shall strictly adhere to a **15 MPH** speed limit at all times during construction within the construction zone. This includes any vehicle or equipment carrying materials between the current work operations and the laydown/storage yard at the intersection of San Bruno Avenue and Glenview Drive.
- 2.8 Work Hours.** Under no circumstance, without the City's advance written authorization, shall the Contractor start any machinery or equipment prior to 8:00AM within the neighborhood.

Dust Control. The Crestmoor Neighborhood can be very windy at times, and the control of dust throughout the construction Contract shall be made a high priority by the Contractor. In addition to the provisions of SECTION 01 74 00 CLEANING, to ensure that dust is kept to a minimum, the following conditions shall apply and be strictly enforced:

- 2.9 Covered Loads.** All trucks loaded with import or export material shall be covered with tarps. Materials for export shall not be stored anywhere on site. All material shall be immediately off-hauled.
- 2.10 Hand Sweeping.** Sidewalks, private driveways, and walks adjacent to and within the construction area shall be hand swept as a "last task" at the end of each workday to assure that sand/gravel/AC has not been left on the sidewalks or private property.
- 2.11 Catch Basins.** Catch basins and sediment barriers shall be cleaned by vacuum truck at the end of each workday as a "last task" of the day operation.
- 2.12 Access Routes.** Truck haul routes shall be swept, vacuumed, cleaned, and maintained throughout the workday to prevent dust. When necessary, water shall be applied to the road surface as often as required to keep dust from becoming airborne.

- 2.13 No Stockpiling.** Excavated material removed from the trench shall be immediately placed directly into an off-haul truck. Excavated AC, base rock, and native material shall not be placed on the pavement, sidewalk/gutter, or landscaping. Excavated material removed by hand shoveling shall be placed on a tarp to protect the sidewalk and landscaping. The Contractor shall take steps to avoid tracking mud and other debris onto sidewalks, gutters, pavement, or landscaping; any mud or debris tracked onto these areas shall be removed promptly.
- 2.14 No Moisture Conditioning of Backfill on Streets.** All imported backfill material shall be brought to the site at or near the optimal moisture content required for proper compaction. The Contractor shall not be allowed to spread backfill material on the street and moisture condition on-site prior to placement in the trench. Final moisture conditioning shall be performed in the trench as the material is placed in lifts during compaction.
- 2.15 Street Sweeping and Watering.** At all times during construction the contractor shall have on site the necessary equipment to provide street sweeping and dust control in accordance with Section 01 74 00 Cleaning. Street sweeping and application of water for dust control shall occur as often as necessary on a daily basis including Saturdays and Sundays as directed by the City.

Resident & Community Coordination

- 2.16 Construction “Open Houses”.** Periodically (every 4-6 weeks), the City will hold “open house” meetings on Saturdays during the duration of this Contract. The meetings will be a venue for the residents to share any concerns or issues regarding the construction activities with the City and the Contractor. Additionally, the meetings provide a good means for the City and Contractor to inform residents of the upcoming construction schedule, sequencing, and impacts. The Contractor shall have at least one representative in attendance at all of these meetings. The representative shall be sufficiently familiar with the project and authorized to describe the operations and respond to questions from the community. These meetings will last approximately 1-1/2 hour in duration. Contractor should anticipate six (6) meetings.
- 2.17 Community Liaison.** The Contractor shall designate one staff person to serve as a community liaison for the duration of the Contract. This staff person / community liaison will function as the main point of contact for the City related to issues raised by the community.

Resident Notifications. The Contractor’s attention is directed to SECTION 01 31 14 COORDINATION, PUBLIC NOTIFICATION, AND PROJECT REQUIREMENTS, Paragraph 1.17 Public Notification. In addition to the requirements specified therein, the following shall apply:

- 2.18 Notices.** Contractor shall prepare road closure, no parking, and detour notices for all areas of work and shall distribute these to the affected resident via hand delivery. Notices shall include the dates and timing of road closures, detours and areas where parking will be prohibited. An example notice is attached in the Appendix B.
- 2.19 Signage.** All traffic detour and “No Parking” signs shall be removed promptly on streets where construction is complete. Closure dates on “No Parking” signs shall

be no longer than one week. Adjust dates at the end of each week to keep current with future construction locations.

- 2.20 Parked Vehicles.** The City and Contractor will work cooperatively with residents to ensure that vehicles are moved out of the construction zone in a timely manner. Contractor shall promptly notify Engineer of any vehicles that are parked in a “No Parking” zone. Contractor shall not call police to tow vehicle unless specifically directed to do so by the City.

Public/Resident Access & Signage

- 2.21 Traffic Control Plan.** Traffic control measures are specified in Section 01 51 00 Temporary Facilities and Controls. In addition to those requirements, the following shall apply:
- A. Traffic control plan shall be kept current and updated as the project progresses. Any revisions to the traffic control plans shall be submitted to the City at least forty eight (48) hours in advance of road closures or detours.
 - B. Road Closures will be allowed to facilitate the construction of utilities during the working hours of 8:00AM to 5:00PM. Road closes are for through traffic only.
 - C. Flag persons shall be provided at **both** ends of all sections of roadway that are under construction during the entirety of this project. This shall apply regardless of whether the roadway is open to traffic or closed to through traffic.
- 2.22 Resident Access.** At all times during construction, residents shall be allowed ingress and egress to and from their property. Contractor shall make allowances and move construction equipment and other items to accommodate this access.
- 2.23 Portable Message Boards.** The Contractor shall maintain and operate a minimum of four (4) portable electronic message boards for the duration of this Contract. The electronic message boards shall be solar operated to minimize excessive noise in the neighborhood; no motorized generators may be used. The electronic message boards will generally be placed at each entrance to the neighborhood, but may be moved periodically to better inform the public as directed by the City. The Contractor shall have personnel trained in the operation of the electronic message boards on site to change and update messages as required and as the City directs.

Utility Identification and Protection. The Crestmoor Neighborhood contains numerous underground utility lines including, without limitation, PG&E gas distribution lines that are located on both sides of the street (as shown on the plans). It is the Contractor’s responsibility to follow all requirements indicated on the plans and in the project specifications regarding locating and identifying existing utilities prior to any excavation. In addition to those requirements, the following shall also apply:

- 2.24 Daily Utility Crossing Inspection Walk.** A daily utility inspection walk by the Contractor is required each morning before the start of work. The Contractor’s superintendent shall perform this inspection of the site to be excavated that day. The Contractor is solely responsible for locating and potholing all service and utility crossings prior to start of excavation.
- 2.25 Utility Safety Inspection Checklist.** A Construction Supervisor Daily Utility Safety Inspection Checklist is required at the end of each day. This Report identifies all utilities exposed during that day’s construction activities, and how the utility was

protected and made safe to the community if left exposed at the end of each workday. The Report shall include street name and stationing for all exposed crossings. A copy of the sample checklist is attached in the Appendix C.

- 2.26 Notification & Coordination.** Contractor shall provide the required notification and coordination prior to excavating around any utilities, including PG&E, in accordance with Section 00 72 00, Paragraph 8.5.
- 2.27 Supervisor.** Contractor's appointed Supervisor shall be present during all potholing and excavation of PG&E gas lines and water mains. Contractors appointed Supervisor shall not operate equipment during the potholing and excavation; the appointed Supervisor's responsibility is to supervise, observe, and monitor all excavation and potholing work.
- 2.28 Backfill.** All PG&E gas lines shall be backfilled with PG&E approved sand. See PG&E sand specifications in bid docs, Section 4123.
- 2.29 Hand Excavation.** All PG&E gas lines shall be carefully excavated by hand digging. Contractor shall use the utmost care not to damage protective gas line wrapping. If pipe is damaged or coating appears deteriorated, the Contractor shall notify City field representative, and plate the excavated area until PG&E can repair the line. Contractor to provide PG&E access for repair work. No backfilling is permitted until PG&E repairs the line.
- 2.30 USA Markings.** Contractor shall call USA to re-fresh utility markings as required to maintain accurate utility locations. When Contractor calls for USA, Contractor shall request USA Locators to report to the project site trailer prior to Locator marking in the field.

Laydown/Storage Yard

- 2.31 Security.** A laydown/storage area is provided to the Contractor for its use during the duration of this construction Contract. The laydown/storage area is located at the intersection of San Bruno Avenue and Glenview Drive (see exhibit attached in Appendix D). The laydown/storage area is fenced with locking gates and is approximately 10,800 sf in enclosed fenced area. The Contractor shall place locks on the gates and provide the City with two extra sets of keys for the locks. The Contractor is responsible, at its sole expense, for making any necessary arrangements for additional storage/laydown area.
- 2.32 Cleanliness/Maintenance.** The Contractor shall maintain laydown/storage yard in a clean and organized manner. Trash and debris shall be not be stored in the yard. Only the storage of equipment and materials is allowed.
- 2.33 Construction Entrance.** Construction laydown/storage yards shall be surfaced with gravel/rock to prevent dust and tracking of mud. Construction entrance rock shall be crushed gravel greater than three inches (3") and less than six inches (6").
- 2.34 Stockpiles.** All stock piles of material, rock, aggregate base, sand, etc., inside of the construction laydown/storage area shall be covered with tarps at the end of each workday, and when necessary during the work day to avoid wind-blown materials. Tarps shall be weighted down with roped sand bag combinations.

Protection of Private Property

- 2.35 Saw Cutting.** All asphalt concrete and concrete saw cutting equipment shall be equipped with a water application apparatus that shall be used during all saw cutting operations. Slurry residue created during the saw cutting operation shall be vacuumed and work area cleaned of all concrete byproducts upon completion of the saw cutting activity. Byproducts and slurry shall not be allowed to be conveyed into any natural or constructed drainage system.
- 2.36 Private Driveways & Walks.** Procedure for saw cutting sidewalk adjacent to private driveways, walkways, and landscape features requiring protection are to be as follows: Protect surface prior and during the saw cutting/removal operation. Saw cut sidewalk approximately six inches (6") offset street side from protected surface. Cut shall be parallel and extend six inches (6") beyond each end of the width of the protected surface or as needed. Excavate below six inch (6") cut section enough to allow it to cascade away from the protected surface in the direction of the curb. Continue removal of sidewalk from saw cut towards back of curb. As applicable, Contractor shall remove the six-inch (6") sidewalk section downward away from driveway seam, removing sidewalk without damage to protected driveway.

Miscellaneous

- 2.37 Graffiti.** All Contractor equipment, trucks, machinery, and other vehicles shall be kept free of any graffiti, painting, and other distasteful markings during the entire duration of this Contract. Contractor shall maintain all equipment in proper working order in accordance with all applicable laws.
- 2.38 Press Presence and Access.** This neighborhood is very visible and the press (television, newspapers, etc.) may periodically visit the site for news stories and updates. The Contractor shall not speak with any representatives of the press, shall notify the City of any contacts by news agencies, and shall cooperate with the City in providing access for news agency vans/trucks and other requests as directed by the City.
- 2.39 Equipment Storage in Neighborhood.** The Contractor will be allowed to store necessary equipment adjacent to the work areas within the neighborhood Monday thru Thursday nights during this contract. All rubber-tired equipment shall be removed from within the neighborhood over the weekends (Friday – Sunday nights). All equipment stored on-site shall be located in areas that do not impede access to any residence. The Contractor shall place the necessary cones and other warning devices around any stored equipment to caution the public of their presence.
- 2.40 Construction Materials.** All excess construction materials shall be taken to the storage yard at the end of each working day. Storage of excess construction material within the neighborhood is not allowed.