PART 1 – GENERAL

1.01 SECTION INCLUDES

A. Maintenance, support, and protection of existing underground utilities.

1.02 MEASUREMENT AND PAYMENT

A. Measurement: Maintenance, support, and protection of existing utilities will be measured for payment by the lump-sum method, acceptably performed and completed.

B. Payment: Maintenance, support, and protection of existing utilities will be paid for at the Contract lump-sum price, as indicated in the Bid Schedule of the Bid Form.

1.03 REQUIREMENTS

A. Refer to General Condition, Articles GC4.10, Utilities, GC4.10.4, Location of Utilities, and GC4.10.6, BART System Utilities. It is the Contractor’s responsibility to identify and locate existing Utilities from official county and municipal maps and records, District reference documents, and other means. Contractor shall provide utility locating services consisting of alignment and depth and take steps to ascertain the exact location of all Utilities including:

1. PG&E High Voltage lines
2. Fiber Optic and communications cables
3. Electrical cables and conduits (including station conduits and raceways)
4. Water and gas lines
5. Pipelines
6. Sewer mains
7. Fire protection and suppression lines
8. Other BART utilities

B. Utility locating work shall be performed prior to doing any construction work which may damage such Utilities or interfere with their service. Contractor shall obtain Engineer’s approval of its “Qualified person”, as defined in Government Code 4216, prior to any locating operations. A “Qualified person” means a person who completes a training program in accordance with the requirements of Title 8, California Code of Regulations, Section 1509, Injury Prevention Program, that meets the minimum training guidelines and practices of Common Ground Alliance current Best Practices.
Where the location of a Utility is not indicated or is doubtful, Contactor shall make such excavations and explorations as are necessary to ascertain the correct location. Maintain existing utilities and protect from damage as necessary to satisfy the requirements of jurisdictional utility companies, District facilities and related codes and regulations.

1. The Engineer will furnish the Contractor with two blank 11 inch by 17 inch station maps prior to utility location. The contractor shall hand draw in all found utilities, including type, depth, and alignment, and return one copy to the Engineer prior to the start of Work.

C. Do not disconnect or shut down any part of the existing utilities and services, except by permission of authorities having jurisdiction. Submit schedule of estimated shut-down time in order to obtain such permission, and notify all interested parties, neighbors, utilities, and municipal and county authorities, as required.

D. Utilities to be removed shall not be removed until shut-down time can be kept to a minimum. Do not remove an existing utility line or service until the replacement line, crossover, or capping is ready to be performed.

E. Provide shoring, underpinning, and structural support for existing utility lines and structures that become suspended or otherwise unsupported because of adjacent excavation operations. Submit plans showing all protections in place and temporary supports of utilities adequate to maintain safety, integrity and function for Engineer's review and approval.

1.04 REQUIRED NOTIFICATIONS

A. Obtain identification markings of underground utilities by the affected utility companies 72 hours prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire, or other structure. The Contractor shall notify the Engineer and utility owners before performing any such excavation work. Notify most affected utilities by calling Underground Service Alert (USA) at 1-800-642-2444. Contact utility owners not covered by USA, such as owners of non-pressurized sewer lines and Caltrans, by calling the affected utility owners directly.

B. Protect active underground utilities from damage. If underground utilities are damaged in any way, notify the Engineer and affected utilities immediately for corrective action. The names of known utility companies in the area and their respective addresses and telephone numbers are specified as attachments to this section.

1.05 RELOCATION OF EXISTING UTILITIES

A. It is anticipated that certain utilities will be relocated by the affected utility companies prior to start of construction. The names and addresses of such utility companies, including a list of facilities to be relocated with description and location, are specified as an attachment to this section.
PART 2 – PRODUCTS
Not Used

PART 3 – EXECUTION
Not Used

END OF SECTION 33 05 25