SECTION 02695
STEAM DISTRIBUTION SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:

1. Steam distribution system and appurtenances.

B. Related Sections:

1. Section 02200 - Earthwork
2. Section 02221 - Trenching, Backfilling, Compacting.
3. Section 02300 - Utility Tunnels.
4. Steam piping within the building: Division 15 sections.

1.2 SYSTEM DESCRIPTION:

A. Order of Preferred Installation:

1. Utility tunnel.
2. Shallow trench.
3. Direct burial.

1.3 SUBMITTALS:

A. Design Loads:

1. Submit design loads for pipe sizing.

B. Record Drawings:

1. At project closeout, submit record drawings of installed steam system piping and products, in accordance with requirements of Section 01720.

1.4 QUALITY ASSURANCE:

A. General: Comply with requirements of Sections 15010, 15050 and 15521.

B. Permits: Obtain tap permit from the University of Colorado at Boulder Utility Engineer.
PART 2 - PRODUCTS

2.1 MATERIALS:

A. Comply with requirements of Sections 15050 and 15521.

2.2 IDENTIFICATION:

A. Underground Type Plastic Line Marker:

1. Manufacturer's standard permanent, continuous-printed plastic tape with metallic core, intended for direct-burial service; not less than 6" wide x 4 mils thick. Provide green tape with black printing reading "CAUTION STEAM LINE BURIED BELOW".

2. Provide identification markers of one of the following:

   a. Allen Systems, Inc.
   b. Emed Co., Inc.
   c. Seton Name Plate Corp.

PART 3 - EXECUTION

3.1 INSTALLATION:

A. Comply with requirements of Sections 15050 and 15521.

3.2 INSTALLATION OF IDENTIFICATION:

A. During backfilling and topsoiling of underground steam piping, install continuous underground plastic line markers, located directly over buried lines at 6" to 8" below finished grade.

END OF SECTION 02695