

The Ric-wil Company

Agents in
Principal Cities

REG. U. S. PAT. OFF.
Ric-wil

ESTABLISHED IN
1910

CONDUIT SYSTEMS FOR
UNDERGROUND STEAM PIPES

Union Trust Bldg.

NEW YORK—CHICAGO—SAN FRANCISCO

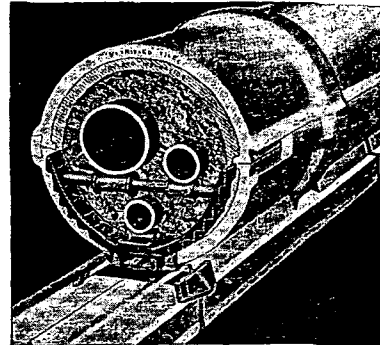
Cleveland, Ohio

Conduit—Standard conduit is vitrified salt glazed tile or cast-iron with Loc-liP Side Joints, bell and spigot type, unlined or lined. Tile and cast-iron in 24 in. sections, sizes 4 to 27 in. inside diameter. A Super-Strength tile conduit which laboratory tests by A.S.T.M. 3 point method show an average crushing strength of approximately 3000 x per foot diameter per lineal foot. A light weight cast-iron conduit specially designed for bad water conditions and a heavy cast-iron conduit for extra heavy duty.

Base Drain—Standard Base Drain is vitrified salt glazed tile for tile conduit and extra heavy tile or cast-iron for the cast-iron conduit, in 24 in. lengths. Special U-Type Base Drain to hold return line and Support Blocks for use with round tile construction also available.

Pipe Supports—Standard Pipe Supports for tile conduit are of the externally supported type with rollers for single or multiple pipes. Load is carried entirely on side shoulders of Base Drain. Pipe Supports for cast-iron conduit are of the internal type and are cast integral with the conduit. Pedestal Pipe Supports also available. Details of Ric-wil Alignment Guides and Anchors furnished upon request.

Insulation—Dry-paC Waterproofed Asbestos Insulation, non-settling and non-corrosive—packed into the conduit becomes a solid matted mass *without cracks*, joints or openings—positively non-capillary and water-repellant. Has low conductivity and insures highest thermal efficiency—non-waterproof kind also furnished. Lined conduit insulation is a



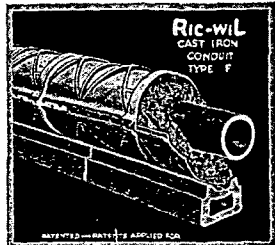
Cutaway view at pipe support showing how Ric-wil parts interlock. Note Loc-liP Side Joints and how pipe assembly is independent of the conduit. Cut shows Type DP System, lined conduit, with Dry-paC Waterproofed Insulation.

moulded diatomaceous earth mixture. Sectional pipe covering, sponge felt, 85% magnesia, etc., can also be furnished.

Accessories—Conduit fittings, with Loc-liP Side Joints for all types up to 15 in. are carried in stock—45 deg. and 90 deg. elbows, tee branches and reducers. Tee branches and reducers made to order for larger sizes. Mitred Base Drain fittings made for all conduit fittings. Shutter sleeves of galvanized iron, with asbestos rope for encircling pipes to provide a form upon which to cement or brick in ends of conduit lines. Filter Cloth to prevent sand, etc., from sifting thru broken stone into drainage area of Base Drain. Special asphalt cements for sealing all joints and waterproofing compounds for cement joints. Special manhole covers, with non-rattling double lidded covers, furnished in 20 in., 24 in. and 30 in. sizes.

Engineering Service—Full cooperation with architects and engineers to the extent permitted by the code. Installation supervision if desired.

Technical Data—Tabulated Steam Heating Rates, Test Report Bulletins, Service Detail Bulletins, Catalog Bulletins, Central Heating Bulletins and Architects and Engineers Detail Sheets available upon request.



Ric-wil Cast Iron conduit has ample strength with minimum weight for use under roadways, railroad tracks, or other places subject to extreme loads and vibration. It is installed without delays and without added construction or engineering.

Underground Steam Construction Co.

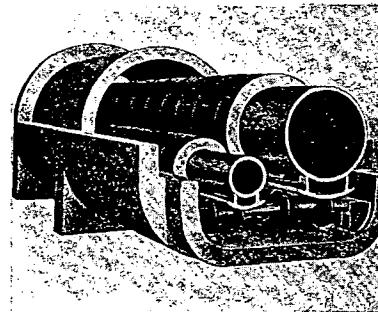
75 Pitts Street, Boston, Mass.

PRODUCTS—Engineering and Contracting of Steam Line Installations. Underground Steam Conduits.

USCCO PRE-CAST CONCRETE CONDUIT

This unit marks a long step forward in the economics and mechanics of laying underground steam lines.

Its Outstanding Features Are:



Strength resulting from flat reinforced bell; from the longitudinal joints, and from the fact its sections are 4 feet long, reducing the usual number of joints necessary.

Shape which allows 12 per cent greater inside capacity than circular conduit of like diameter. This permits larger pipes in a given size conduit and more room for drainage, pipe supports and rolls.

Ease of Installation resulting from the fact that all top and bottom halves mate. Bottoms may be laid for any distance, the piping installed and then the tops brought up and laid. This speeds up the work and protects idle halves from damage. They can be stored away from the job.

Materials are high strength cement with suitable aggregate, amply reinforced with wire mesh.

Pipe Supports are of cast-iron and quickly installed. They may be placed anywhere in the conduit. The weight of the pipe holds them in place.

Joints may be of any standard accepted brand of jointing compound or they may be of standard Portland cement mortar.

