



**Town of Berthoud, 328 Massachusetts Ave., P.O. Box 1229
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Mountain Avenue Project, Phase 1 April 23, 2008

Waterline:

The Phase 1 Project will replace the existing 40+ year old 8-inch diameter waterline with a new 12-inch diameter waterline. The limits of the Mountain Avenue Project, Phase 1 are Second Street on the east and Sixth Street on the west. However, a part of the waterline being replaced will extend outside these limits. The limits of the waterline replacement will be from Pyramid Peak Avenue on the east to Sixth Street on the west. Pyramid Peak Avenue is located just east of First Street.

Sanitary Sewer:

We will also be replacing and upgrading the existing 40+ year old 10-inch diameter sanitary sewer line. The limits of the sanitary sewer line replacement will be Third Street on the east to the alley half way between Fifth Street and Sixth Street on the west. We will replace the existing 10-inch diameter sanitary sewer line with a new 12-inch diameter sanitary sewer line. The limits of the sanitary sewer line upgrade will be Second Street on the east to Third Street on the west. This segment of the sanitary sewer line will be lined with a Cure-In-Place-Pipe. The diameter of this segment of sanitary sewer line will be reduced by this process by less than $\frac{1}{2}$ inch overall.

Storm Sewer:

The storm sewer will consist of a system of new catchment inlets that will be located at designed low points along the curbs and gutters of the street, and new storm sewer pipe. The storm sewer pipe will range in size from 18-inch diameter reinforced concrete pipe to 24-inch diameter reinforced concrete pipe to 2-foot by 3-foot reinforced concrete box culvert. Part of the new storm sewer system will also consist of modifications to the existing detention pond located approximately 350-feet north of Mountain Avenue on Second Street.

Loveland Lake and Ditch Company Irrigation Line:

The existing Loveland Lake and Ditch Company irrigation line, which is located on the south side of Mountain Avenue, will be relocated to a new route to make room for a new storm sewer system described above.

Curb, Gutter, and Bulb-Outs:

Once all of the underground utility work is complete, we will begin the work on the surface improvements. These will consist of the replacement of all curb and gutter from Second Street to Sixth Street. As a part of the replacement, the curbs and gutters will be moved out towards the street one-foot to facilitate the placement of irrigation lines for future streetscape use. “Bulb-outs” at each of the intersection, although not at each corner, will be added. The intersections receiving “Bulb-outs” are Second, Third, Fourth, and Fifth Streets. These will provide for safer street crossings at these intersections.

Pavement:

The final component of the Phase 1 Mountain Avenue Project will be the asphalt pavement. All of the existing pavement will be removed. Most of it will be removed in conjunction with the utility works, and the remainder after all the new curbs, gutters, and “bulb-outs” have been constructed. The roadway’s sub-surface will be treated to assure a solid foundation, and then new asphalt pavement will be placed. Once the entire pavement is in place, new lane lines and crosswalks will be painted and the Mountain Avenue Project, Phase 1, will be complete.