

PART 12-470

PUBLIC UTILITIES

12-470-1. DRAINAGE.

The natural features of Centerville are such that the possibility of destructive flooding is always of concern. The drainage channels that send runoff water into Centerville from the Wasatch Mountains are Ricks Creek, Barnard Creek, Parrish Creek, Deuel Creek and Lost Creek. Studies have been made by the U.S. Army Corps of Engineers, the Federal Emergency Management Agency and Davis County in recent years to determine potential flows from spring runoff from heavy thunderstorm activity. These studies, though far from ideal, should be used to plan stream channel sizes, culverts, and crossings. As further studies are made on stream channel runoff potentials, they should be reviewed by City staff, and if appropriate, adopted as new standards for stream channel development. Great care should be taken not to allow stream channels and natural drainage ways to be moved or filled in for development purposes. Encroachment upon stream channels should not be allowed.

Urban drainage systems are also needed as the City continues to grow to carry water that runs off from developed areas. Several drainage studies have been prepared for the City, and others are underway. As these studies are completed and reviewed, they should be officially adopted to guide development of storm drain systems and serve as the basis for runoff control in new developments.

The City's master drainage plan is set forth in the City's Capital Facilities Plan. The Capital Facilities Plan should be implemented to ensure the orderly development and construction of an adequate drainage system for the City.

In recent years, Davis County has built debris basins on each of the major streams in Centerville. Davis County is responsible for the maintenance of these debris basins, as well as for the stream channels themselves. Because these stream channels are important in the overall system of drainage for Centerville, it is imperative that City officials maintain a good working relationship with Davis

County officials. Some of the drainage system improvements identified above are located in the major stream channels, and will require the approval and cooperation of Davis County officials. The I-15 culvert crossings will require the approval and cooperation of the Utah Department of Transportation and the Union Pacific Railroad.

SECTION 12-470-2. SUBSURFACE WATER DRAINAGE SYSTEMS

As noted in the section on natural hazards, Centerville City has many areas which are affected by high water tables. With the wet years that have occurred in the recent past, groundwater problems are greater in many areas than they have ever been.

In the past, development in Centerville City has been allowed without a review or acceptance on the City's part of subsurface water drainage systems. As the systems age and begin to fail, residents who live in those areas desire that the City maintain the systems. The City generally claims no responsibility for these systems because they were often installed without City review or approval.

With increased residential and commercial development proposals now coming about in areas where groundwater is an even more serious problem, Centerville City must take a position on the development of subsurface water drainage systems.

Centerville City must carefully study the issue of subsurface water drainage systems, and make very clear the areas of responsibility for installation and maintenance.

SECTION 12-470-3. CITY WATER SYSTEM.

The relatively rapid growth of Centerville in recent years has placed a strain upon the City water systems. Centerville City must develop plans for the future expansion of the City culinary water system.

The City's water master plan for the financing and development of its culinary water system is set forth in the City's Capital Facilities Plan. The Capital Facilities Plan shall be implemented to ensure the orderly development and construction of an adequate culinary water system for the City.

SECTION 12-470-4. SEWER SYSTEM.

The sanitary sewer system in Centerville is owned, maintained, and managed by the South Davis Sewer Improvement District. Since the provision of sewer service is a significant controlling element in development, Centerville City will work closely with the Board and Manager of the South Davis Sewer Improvement District to coordinate goals and policies. Extension of sewer lines into new areas in the City should occur as Centerville City is prepared to provide other municipal services to those areas.

SECTION 12-470-5. CITY-OWNED POWER SYSTEM.

The possibility of forming a City-owned electrical power system has been discussed in Centerville for many years. While other options are somewhat narrower now than they were at times in the past, investigation should continue on the part of City officials to determine the feasibility of such a system and potential savings to City residents. Alternatives discussed in the past have included the possibility of local generation of power, purchase of generating facilities from other private and public agencies, and the possibility of purchasing power from Bountiful Power Agency.