

Water Utilities Quick Reference

Expectations of contractors working within 10 feet of City of Fort Collins Water Utilities

The intent of this fact sheet is to provide a quick reference for contractors working within 10 feet of City of Fort Collins Water Utilities infrastructure. This document will be revised as guidelines change however the latest Design Criteria and/or Construction Standards adopted and published on the City of Fort Collins Utility website supersedes information here.

www.fcgov.com/development-forms

WATER UTILITY LOCATION REQUIREMENTS

Before construction of any dry utilities in the vicinity of City of Fort Collins Utilities, Water, Wastewater and Stormwater infrastructure must be located. The exposure and restoration of potholes and other excavation must observe the following general and utility specific requirements. **If standby is required as detailed below, a standby appointment must be scheduled 48-hours ahead of all excavation work by calling 970-416-8008.**

General Pothole / Excavation Restoration Requirements

Hardscape areas

The exposed Utility should be covered with a minimum of 12" and maximum of 18" of bedding material (reference sections below), flow filled to top of hardscape subgrade and capped with asphalt or concrete and sealed to be watertight per Engineering Right of Way Excavation permit standards.

Softscape areas

The exposed Utility should be covered with a minimum of 12" and maximum of 18" of bedding material, and then native soil. Some softscape area may require same restoration as hardscape areas dependent on their location to hardscape areas.

Water System

- STAND BY IS REQUIRED ON 16" AND LARGER MAINS: **CALL-970-416-8008**
- POTHOLE REQUIRED ON ALL WATER MAINS AND SERVICES (see SEPARATION FROM OTHER UTILITIES

Horizontal

- Dry utilities including natural gas, electric, cable TV, telephone/communication, etc. running parallel to public Water Mains, Wastewater Mains, Stormwater Mains or related appurtenance shall be no closer than 10 feet.

Vertical

- All crossings shall be clearly identified and dimensioned on the plan and profile views on the utility plans.
- All crossings must have a minimum of 18-inches vertical clearance above and 24-inches vertical clearance below the wet Utility system while maintaining the minimum depth of cover required by current Fort Collins Design and Construction standards for the bored Utility.

Crossings

- All crossings must be made perpendicular (90-degree angle) to all Wet Utility mains, laterals, and services. No long horizontal angle crossings are allowed.
- EXCEPTIONS section)

NOTE: Measuring the depth of a water valve does not constitute for an actual pothole of the utility.

- Dry utilities in vicinity of Water Utility curb stops require a 6-foot separation in all directions from dry utility to center of curb stop.
- **A bituminous (rubberized) coating** is required on all metallic water mains that have been located and exposed due to potholing efforts and covered with a minimum of 12" and maximum of 18" of 3/8 bedding.

Wastewater System

- STAND BY REQUIRED ON 18" AND LARGER MAINS: **CALL-970-416-8008**
- POTHOLE REQUIRED ON ALL WASTEWATER MAINS (see SEPARATION FROM OTHER UTILITIES)

Horizontal

- Dry utilities including natural gas, electric, cable TV, telephone/communication, etc. running parallel to public Water Mains, Wastewater Mains, Stormwater Mains or related appurtenance shall be no closer than 10 feet.

Vertical

- All crossings shall be clearly identified and dimensioned on the plan and profile views on the utility plans.
- All crossings must have a minimum of 18-inches vertical clearance above and 24-inches vertical clearance below the wet Utility system while maintaining the minimum depth of cover required by current Fort Collins Design and Construction standards for the bored Utility.

Crossings

- All crossings must be made perpendicular (90-degree angle) to all Wet Utility mains, laterals, and services. No long horizontal angle crossings are allowed.
- EXCEPTIONS section)

NOTE: measuring depth of manhole does not constitute for an actual pothole of the utility.

- Exposed wastewater mains should be covered with a minimum of 12" and maximum of 18" of 3/4 angular bedding.

Stormwater System

- STAND BY REQUIRED FOR ALL MAINS 24" AND LARGER: **CALL-970-416-8008**

POTHOLE REQUIRED ON ALL STORMATER MAINS AND LATERALS (see SEPARATION FROM OTHER UTILITIES)

Horizontal

- Dry utilities including natural gas, electric, cable TV, telephone/communication, etc. running parallel to public Water Mains, Wastewater Mains, Stormwater Mains or related appurtenance shall be no closer than 10 feet.

Vertical

- All crossings shall be clearly identified and dimensioned on the plan and profile views on the utility plans.

- All crossings must have a minimum of 18-inches vertical clearance above 24-inches vertical clearance below the wet Utility system while maintaining the minimum depth of cover required by current Fort Collins Design and Construction standards for the bored Utility.

Crossings

- All crossings must be made perpendicular (90-degree angle) to all Wet Utility mains, laterals, and services. No long horizontal angle crossings are allowed.
- EXCEPTIONS section)

NOTE: measuring depth of manhole does not constitute for an actual pothole of the utility.

- Exposed stormwater infrastructure should be covered with a minimum of 12" and maximum of 18" of 3/4 angular bedding.

SEPARATION FROM OTHER UTILITIES

Horizontal

- Dry utilities including natural gas, electric, cable TV, telephone/communication, etc. running parallel to public Water Mains, Wastewater Mains, Stormwater Mains or related appurtenance shall be no closer than 10 feet.

Vertical

- All crossings shall be clearly identified and dimensioned on the plan and profile views on the utility plans.
- All crossings must have a minimum of 18-inches vertical clearance above and 24-inches vertical clearance below the wet Utility system while maintaining the minimum depth of cover required by current Fort Collins Design and Construction standards for the bored Utility.

Crossings

- All crossings must be made perpendicular (90-degree angle) to all Wet Utility mains, laterals, and services. No long horizontal angle crossings are allowed.

EXCEPTIONS

In certain situations, there may be some flexibility to these requirements; however, this would be an exception to the normal requirement and would only be allowed with the approval of the City of Fort Collins Utilities - Water Utilities Engineer (FCU Engineer).

If a conflict between mains and services, other utilities, and other departments within the City is identified during construction, Contractor shall contact the FCU Engineer to interpret these specifications or to determine if the standards of other utilities or departments apply.

Field changes from the approved plans shall not be permitted without prior permission from the FCU Engineer.

WATER EMERGENCIES – Call 24 hours/day 970-221-6700

Call to report flooding, water main breaks, sewer line problems, water taste or odor, blocked storm drains, spills or dumping down storm drains. Call 911 to report illegal dumping or spills that are potentially life threatening or hazardous to the environment.

OTHER WATER UTILITIES CONTACTS

- City of Fort Collins: 970-221-6700
- ELCO: 970-493-2044
- West Fort Collins: 970-484-4881
- North Weld County Water: 970-356-3020
- Northern Water: 970-568-3975
- CSU: 970-491-0077
- Greeley: 970-350-9811
- Fort Collins-Loveland Water: 970-226-3104