

Guidelines for Placement of Utilities
West Des Moines, Iowa

General

1. Maintain at least five feet (5') of clearance from back of curb.
2. Do not place utilities beneath or on city streets, sidewalks, or trails except to cross.
3. Do not place utilities in the area between the ROW line and sidewalk or trail, if this area is less than 3 ft. wide.
4. For all utility handholes and above ground items maintain at least 5' distance from any existing tree on City ROW, property, or easements.
5. For all utility underground lines, handholes and above ground items maintain at least 3' distance from any City Survey Benchmark. Do not disturb City Survey Benchmarks.
6. Contact the City of West Des Moines Engineering Service Department (515-222-3475), at least 48 hours prior to starting any utility work location in the City.
7. Immediately upon completion; backfill, restore, stabilize, sod, seeding and repair any disturbed areas and damaged items caused by the utility work prior to utility work crews leaving each job site location in accordance to Article 7-1B-9, Chapter 14 of the West Des Moines City Code,
8. If a utility already has existing underground line or conduit within a section of City ROW, property or easement, place any additional, new and replacement lines or conduits in that section in the same corridor location as the utility's existing line or conduit.
9. Locate and install any allowed above ground structures and items, including small cell units, to meet the City aesthetic requirements in accordance to Article 7-2A and Chapter 14 of the West Des Moines City Code.

Sewers

- 10a. Maintain at least one foot (1') of horizontal clearance from storm sewer pipes and structures. Maintain at least one foot (1') of vertical clearance from storm sewer pipes and structures.

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- 10b. Maintain at least four feet (4') of horizontal clearance from sanitary sewer pipes and structures. Maintain one and one-half feet (1.5') of vertical clearance from sanitary sewer pipes and structures.
- 10c. Cross both storm and sanitary sewers at an angle between thirty and ninety degrees (30° - 90°).
- 10d. At least 48 hours prior to starting work at any utility work location contact the City of West Des Moines Public Works Sewer Division (515-222-3480) prior to starting any utility work for City sanitary and storm sewer locate information. It is noted the City Sewer system is not part of Iowa One Call, so the City Sewer division will need to be contacted directly for City Sewer locate information.

Water

- 11a. Contact the City of West Des Moines Water Works Department (515-222-3465), at least 48 hours prior to starting any utility work within 50 feet of any water infrastructure, public or private.
- 11b. Visually verify the actual depth of water mains and services prior to crossing via trenchless construction methods.
- 11c. Maintain at least three feet (3') of horizontal clearance and two feet (2') vertical clearance from water mains.
- 11d. Cross water mains at an angle between thirty and ninety degrees (30° - 90°).
- 11e. Do not cross above a fire hydrant branch within four-feet (4') of a hydrant.

Traffic

- 12a. Maintain 4 feet (4') of horizontal clearance from signal poles and traffic cabinets. Do not exceed 5 feet (5') deep within 10 feet.
- 12b. Maintain one foot (1') vertical clearance from signal conduit.
- 12c. Maintain 2 feet (2') horizontal clearance from fiber and interconnect lines and two feet (2') vertical clearance when crossing.
- 12d. Maintain one foot (1') horizontal clearance from handholes.
- 12e. Cross fiber optic and interconnect lines at an angle between thirty and ninety degrees (30° - 90°)

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- 12f. Maintain one and one-half feet (1.5') horizontal clearance from traffic and street signs.

Profile

13. A Profile drawing must be prepared in advance of placing any utility more than seven feet (7') deep. This needs to be a scale drawing showing existing features above and below the proposed installation.