



Eagle Mountain City General Notes for construction drawings:

SEWER-

- **Pipe bedding:** ¾" gravel required 6" below, on the sides & 12" above the pipe (minimum).
- **Depth:** Sewer main/laterals to maintain 4' of cover (minimum) from finished grade, 3' minimum from top of pipe at time of installation.
- **Separation:** sewer mains & laterals to maintain 10' separation (minimum) from culinary water mains & laterals.
- **Sewer Y's:** 3' minimum separation between sewer Y's.
- **Lateral stubs:** A) stubs must extend 15' into property and be marked with 2x4 painted green. B) All laterals must be GIS (shot in) at the Y's and stubs. Also slopes (2% min. on 4" pipe) to be checked before backfill.
- **Manholes:** manholes to be within 1' of finished grade. 12" of whirly gig form (max) and no flat rings allowed. 12" of ¾" gravel required under manholes/boxes.

WATER-

- **Valves:** 1. Valves must be flanged to tee's (fittings). 2. Valves 12" and larger to be butterfly valves.
- **Bedding:** sand must meet AASHTO (A-3) gradation with 100% passing the #4 sieve. 6" below pipe on the sides & 12" above pipe (minimum).
- **Depth:** water main & laterals must maintain 4' cover from finished grade (minimum), 3' minimum from top of pipe at time of installation. Max depth 72" from finished grade.
- **Services & fittings:** services & fittings to maintain 3' minimum separation from pipe joints and other fittings.
- **Setters:** all setters to be 21" tall (minimum), have unions at the base and be dual check model, also ¾" setters to have double braces. Setters to be set at: 18" to 22" from the top of setter to top of lid.
- **Water can lid:** all lids to say "Eagle Mountain" on them recessed with a hole for the ERT and to be set at level to 1" above the plane of the curb & sidewalk.
- **Water Can:** the water can for ¾" & 1" services will need to be a 36" tall minimum and 21" inside diameter. Water can for 1-1/2" to 2" service will need to follow APWA specification.
- **Hydrants:** hydrants to be 5' bury (minimum).
- **Laterals:** all laterals need to be GIS (shot in) at the corp. stop & setter, and also visual inspection on poly inserts before backfill. Water laterals to extend 15' into property and be marked with a 2x4 painted blue. All poly lines to have visual poly insert inspection.
- **Tracer wire:** run tracer wire along main & extend up setters and hydrants, do not run up valve boxes.
- **Water fittings:** all water fittings to be checked for thrust blocks (pre & post) and GIS (shot in) before backfill.
- **Vertical separation:** water main to maintain 18" minimum separation from storm drain or other obstacles/utilities.
- **Water line fittings:** all fittings to have mega lug followers.
- **Water Main Line:** NO DEFLECTION or bending of pipe will be allowed in the water lines and bend fittings will be required. All fittings to be Mega-lug fittings.

STORM DRAIN-

- **Bedding:** ¾" gravel 6" below and on sides of pipe & 12" above pipe (minimum).
- **ADS:** all ADS pipe to be "HP" brand.
- **Collars:** collars to be 1'x1' around pipe, 4000 psi concrete, inspection is needed pre & post collar pour.
- **Manholes:** manholes to be within 1' of finished grade. 12" of whirly gig form (max) and no flat rings allowed. 12" of ¾" gravel required under manholes/boxes.

ROAD SECTION-

- **Proof rolls:** proof roll required on all sections of road: i.e. sub-grade, sub-base, and curb base and road base. Curb stakes required for sub-grade inspection and string line required for sub-base and road base inspection.
- **UTBC:** state spec. road base required for all roads, commercial base acceptable for the sidewalks & trails.
- **Collars:** all collars to be 1' wide by 1' deep with a 6000 psi concrete with 1.5# fiber mesh per cubic yard (¾" monofilament) required for all street collars. Manhole covers and water valve towers to be ½" down from asphalt edge and concrete to be ¼" to 3/8" down from asphalt edge.