

ORCHARD MESA SANITATION DISTRICT

Review of Plans for Proposed Sewage Collection System

Subdivision: Village Nine 3 - 2nd submittal, w/8" sewers in Tracts

Developer: Wilkinson

Engineer: Atkins & Assoc.

Reviewed by: Western Engineers, T.K.H.

Date: 10/30/78

- Existing Improvements shown correctly
- (1) Reference to plat no., line name, and station of all proposed connections to existing sewer lines
- Professional Engineer stamp and signature
- Sewers in Right-of-way's or easements
- Allow for future extensions (alignment and grade)
- Do not isolate existing lots
- Avoid excessive crossings of existing roads
- (2) Separation from water lines (10' minimum)
- (3) Taps located for each lot
- Minimum grade on lines 0.4%
- Use of minimum grade avoided where possible
- Connection to existing system made at existing manholes where possible
- (4) Stubs: 5' max., capped
- Taps to properties not within subdivision that will need service via subdivision sewer
- Details of unusual conditions (drainage ditch crossings, canal crossings, etc.)
- (5) Minimum 0.1 feet drop across manholes (except where pipe will be laid through manhole)
- (6) Note on manholes which will have pipe laid through them
- Standard details (shallow manhole, regular manhole, drop manhole, trench, bedding, taps.)
- No taps into manholes
- (7) Other

Comments: (1) MH A-1 Eq. Sta. 151+32.5 Main N, See Western Engineers Dwg. 202-754-1, Sh. 9A-N. The MH east of MH A-1 is MH 44 & the one west is MH 45. On existing MH A-3 (sheet 17) reference: see

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Atkins & Assoc. Dwg. No.(?), Sheet(?).

(We haven't received Village Nine - 2 As-Builts).

- (2.) On the northern end of Hanover the sewer occupies the north side of the right-of-way, but on Gloucester it occupies the south side. How is water system designed to maintain the 10' separation? This situation also exists on Elmhurst and Danbury.
- (3.) Where possible, the taps should be installed downstream of the manholes rather than extending stub upstream from the manholes.
- (4.) On manholes with stubs extending beyond them, attach note that the maximum stub length is five feet beyond the manhole wall and that the stub shall have a glued cap or plug.
- (5.) Invert into Existing MH A-3 ?
- (6.) Include in notes: MH's A-2.1, A-4.1, A-4.2, A-4.3, C-3.4. MH C-3.3 is not continuous. MH C-4 cannot be continuous since there is a deflection in the alignment at this location.
- (7.) Correct labelling on MH A-5.1, MH A-3, and Existing MH A-3.

Copies: Atkins & Assoc.
Orchard Mesa Sanitation District
Grand Junction Engineering Dept.