

4. Manhole locations within pavement are missing the concrete collar design. Please contact this office for an example to utilize, as the collar is required to be installed around the manhole frame and lid with KCMMB concrete and 2 inch asphaltic-concrete cap on top. Please update and revise as appropriate, and provide sufficient details on the concrete collar.
5. Sheet 422: Manhole AA5 is showing a future extension with flowline elevations. This implies a stub and hole will be provided. As discussed in previous comment letter, this is not allowed. Please provide bold notes stating "flowlines shown for reference only: future connections to be core-drilled" or equivalent language at dead end manholes with the intent to be extended in the future. However, please see comments concerning the placement of manhole AA5, as this is not desirable nor was approved at the Preliminary Plat phase of the project.
6. A trenching and backfill detail was missing from the details section. Please provide a trenching and backfill detail, and ensure it includes the new standard of providing a minimum of 12 inches aggregate cover over the top of pipe. Please update and revise.
7. For planning and revision purposes, future lots 4, 5, 8, 7, and 6 as identified on the approved Preliminary Plat are intended to be served from sanitary sewer lines installed along future Leinweber Rd., and future Cargo Dr. There were no plans at that time to serve any of those lots via a sidelot sanitary sewer as you are proposing. The City made an allowance to allow the installation of a sideyard sanitary sewer to the west of Lot 1 if proper procedures were followed, but we did not agree to allow for the continuation of this policy for the future lots discussed above. Please review, evaluate, and revise as appropriate. This may require a meeting to to discuss further with City staff, including Water Utilities.
8. Private sanitary sewer laterals were not shown on the plans. Please show their location either on the plan view with appropriate notation and stationing, or in table format. Please revise as appropriate.
9. The crossing at Jones Industrial Dr. shall be bored and cased. Provide a plan for the boring with appropriate notes, and provide the casing pipe material, the diameter, wall thickness, and all other information specified in the standard detail that is also required (and missing) from the plans. Please be aware this is not required at Maguire, as this is a new road and not an existing road. Please revise and update as appropriate.
10. Are there sufficient easements needed to connect to sanitary sewer manhole 14-041? There were none shown on the plans, and there are doubts there is a continuous easement needed to make the connection. It is possible that additional easement(s) shall be required. Please evaluate and revise as appropriate, and show all existing and proposed easements.
11. According to our limited research, there are no platted easements for sanitary sewer in the vicinity of manhole 14-041 either to the east or west. It appears the only easements are for electric in the vicinity of this manhole and sanitary sewer line. Do you have additional information from your ownership and encumbrance records which indicate the existence of additional easements? If so, please provide them

Further review of the files indicate that no such allowance was granted by Water Utilities. Therefore, this question must be answered before proceeding further