

TEXAS DEPARTMENT OF WATER RESOURCES

1700 N. Congress Avenue
Austin, Texas



Harvey Davis
Executive Director

TEXAS WATER DEVELOPMENT BOARD

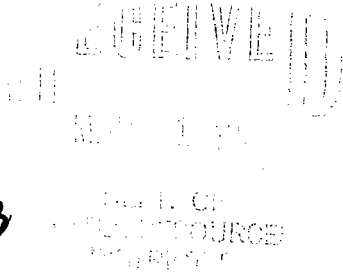
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February 25, 1982

Mr. S. Craig Hollmig, P.E.
S. Craig Hollmig & Associates, Inc.
410 N. Seguin Street
New Braunfels, Texas 78130



Dear Mr. Hollmig:

-with 3

RE: Oak Bluff Estates Subdivision, Comal County
Edwards Aquifer Rule 156.20.05.003

This is in response to your request for approval of plans for a sanitary sewage collection system to serve the above-referenced subdivision. The plans have been reviewed according to the requirements of Texas Water Development Board Rule 156.20.05.003 regulating construction of sanitary sewage collection and treatment systems located on the Recharge Zone of the Edwards Aquifer in Comal County.

The plans propose approximately 714 feet of gravity flow sewer line. This will connect to an existing system owned and operated by New Braunfels Utilities.

Our review of the plans indicate general compliance with the Rules of the Department and approval is hereby granted subject to the conditions listed below and with the understanding that the applicant shall comply with all applicable provisions of Rule No. 156.20.05.

1. All manholes must be monolithic, cast-in-place structures. Pre-cast manholes are not approved and any reference to pre-cast manholes in the plans or specifications should be deleted or marked "void".
2. The most current Standard Specifications for Public Works Construction as utilized by the City of San Antonio Department of Public Works shall apply when not in conflict with the applicable requirements of Rule 156.20.05. Special requirements for sewage collection lines are given in item .003(b)(15) of this Rule.

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3. A Registered Professional Engineer shall inspect the constructed facilities and submit as-built plans to the Department of Water Resources within ninety (90) days of completion of the project.
4. Manholes shall be constructed so that flows between manholes may readily be determined.
5. The sewer system, including stubouts, shall be tested under the supervision of a Registered Professional Engineer at the time of installation and shall be certified by him to meet or exceed the requirements of the latest revision of the City of San Antonio "Standard Specifications for Public Works Construction" Item 518 or its equivalent, relative to establishing a minimum infiltration/exfiltration rate.
6. All blasting which is to occur within twenty-five feet of an existing or previously tested sanitary sewer main shall require prior notice to the Department District 8 office and shall be done within the guidelines set out in Rule 156.20.05.003(b)15w.
7. The results of an infiltration/exfiltration test, the type of which shall be approved by the Executive Director, shall be biennially reported to the Executive Director and the tests certified by a Registered Professional Engineer as having been correctly performed.
8. Any caverns or solution channels encountered during construction shall be reported to the Texas Department of Water Resources District 8 office with a request for approval of construction design when the pipe, due to its structural integrity, is not sufficient to bridge the gap.
9. All private service laterals connecting to this system shall be visually inspected by a Registered Professional Engineer, prior to covering and certified to have been constructed in conformity with the applicable provision of Rule .003, Section (b), Subsection (15). The permit holder of the treatment facility to which this system connects shall be responsible for forwarding this certification to the Executive Director.

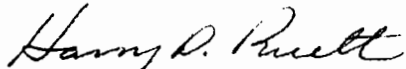
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If further information is needed, please feel free to contact our field office in San Antonio at AC 512/648-0880 or Mr. Mike Tomme at AC 512/475-6885.

Sincerely yours,



Harry D. Pruett, P.E.

Director

Permits Division

MHT:pf

cc: TDWR District 8
Edwards Underground Water District
County of Comal
New Braunfels Utilities
City of New Braunfels