

DEVELOPMENT SERVICES
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SAN ANTONIO WATER SYSTEM
Interdepartment Correspondence Sheet

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To: Zoning Commission Members

From: Scott R. Halty, Director, Resource Protection & Compliance Department, San Antonio Water System

Copies To: Andrew Wiatrek, Manager, Edwards Aquifer and Watershed Protection Division, Michael Barr, Supervisor, Aquifer Protection and Evaluation Section, Michael A. Escalante, Environmental Protection Specialist III

Subject: Zoning Case Z2014103 (Office Development)

Date: June 6, 2014

SUMMARY

A request for a change in zoning has been made for an approximate 14.597-acre tract located on the city's north side. A change in zoning from "**MF-33 PUD ERZD MLOD-1 AHOD**" to "**C-2 ERZD MLOD-1 AHOD**" on 9.66 acres and "**O-1 ERZD MLOD-1 AHOD**" on 4.936 acres, is being requested by the applicant Kaufman & Killen, Inc., by Ms. Ashley Farrimond. The change in zoning has been requested to allow for an office development. The proposed project is located within the Roger Ranch Master Development Plan #119. The subject property is located within a highway to arterial intersection node. The property is classified as a Category 1.

Based on the site evaluation of the property, and the information submitted by the applicant, SAWS staff recommends **approval** of the proposed land use. Should the city council rezone the property that is the subject of this report, the San Antonio Water System recommends that any development on that property after the zoning classification has been changed should be restricted as stated in the environmental recommendations section of this report.

LOCATION

The subject property is located in City Council District 9, near the southeast intersection of Loop 1604 and Bitters Road. The entire property lies within the Edwards Aquifer Recharge Zone (Figures 1 and 2).

SITE EVALUATION

1. Development Description:

The proposed change is from "MF-33 PUD ERZD MLOD-1 AHOD" to "C-2 ERZD MLOD-1 AHOD" on 9.66 acres and "O-1 ERZD MLOD-1 AHOD" on 4.936 acres, and will allow for the construction of an office development. Currently, the site is undeveloped.

2. Surrounding Land Uses:

The Village at Inwood Subdivision is located to the east of the property and The Forest Inwood to the South. The Hollow at Inwood Subdivision off West Bitters Rd. bounds the western portion of the property and to the north of the project site is an ingress/egress easement for an undeveloped property.

3. Water Pollution Abatement Plan:

As of the date of this report, a WPAP has not been submitted to the Texas Commission on Environmental Quality (TCEQ). A WPAP will be required to be submitted to and approved by the TCEQ prior to the commencement of construction.

4. Geologic Conditions:

The Aquifer Protection and Evaluation Section of the San Antonio Water System conducted a site evaluation on February 13, 2014, of the referenced property to assess the geologic conditions and evaluate any environmental concerns present at the site. SAWS Environmental Geologist, Mr. Bruce Keels, P.G., was present during the site evaluation.

The subject site was observed as a single lot, moderately to heavily vegetated with native trees throughout, approximately 15.52 acres in area. The subject property was observed to be vacant and undeveloped, with a north and south CPS power line easement along the eastern portion of the site.

Little to moderate exposure of bedrock was observed within the subject site. The subject property was observed with a moderate soil cover of several inches to a few feet depth throughout the majority of the subject site. Some exposed fractured bedrock was observed throughout the northwest quadrant of the property. Some deposits of promiscuously dumped waste material were observed generally along the CPS easement.

The site appeared to slope slightly to the west. Stormwater occurring on the subject site would drain to the west, and sheet flow along the adjacent West Bitters Road toward an unnamed tributary to Salado Creek.

Using U.S. Geological Survey Water-Resources Investigations Report 95-4030 it was determined that the subject site is underlain by the Leached and Collapsed Member of the Person Formation of the Edwards Aquifer.

The Leached and Collapsed Member of the Person Formation is characterized by the presence of crystalline limestone, grainstone, and mudstone, with chert nodules and breccia conglomerations. This Member is known to have fabric related porosity. The full section thickness of this member is approximately 70 to 90 feet thick.

The subject site was observed to be covered with moderate soil cover and sparse to moderate exposure of bedrock. No sensitive geologic features were observed on the subject site.

ENVIRONMENTAL CONCERNS

The environmental concerns associated with this development being constructed on the Edwards Aquifer Recharge Zone are:

General Concerns

1. The improper use of pesticides, herbicides, or fertilizers needed for landscape maintenance that may be carried off in the first flush of stormwater run-off.
2. The build-up of hydrocarbons and other pollutants on streets, parking lots and other paved areas that are then carried off in the first flush of stormwater run-off.

ENVIRONMENTAL RECOMMENDATIONS

The following recommendations address the environmental concerns raised by the construction of this development on the Edwards Aquifer Recharge Zone:

Site Specific Recommendations

1. The impervious cover shall not exceed 65% for the entire site.
2. If a water quality basin is constructed on the property, the following is required:

The applicant has proposed the installation of a below grade basin to treat the Southwest watershed that drains toward the corner of Bitters Road and Ashton Village Drive. Prior to the release of a building permit for the proposed office development, a plan and specifications for the below grade basin must be submitted and approved by the SAWS Aquifer Protection and Evaluation Section.

The applicant has proposed the installation of a second below grade basin to treat the Southeastern watershed that drains toward the Southeast corner of the property towards Ashton Village Drive. This basin will be treating the discharge from the buildings and the Eastern parking lots. Prior to the release of a building permit for the proposed office development, a plan and specifications for the below grade basin

must be submitted and approved by the SAWS Aquifer Protection and Evaluation Section. This includes but shall not be limited to the following.

- The specifications for the below grade basin shall provide an inspector the ability to visually inspect 100% of the basin, or to an extent acceptable by SAWS, without having to attain an OSHA Confined Space Entry Permit and without having to use any specialized devices (e.g. mirrors, pole cameras, etc)
- The basin must comply with the requirements of TAC Chapter 213 to remove a minimum of 80% TSS
- The basin shall have a V-Notch weir or an equivalent SAWS approved flow measuring device installed at the influent and effluent points of the basin and provide the accessibility and space for the potential of installing automatic samplers to verify the effectiveness of the basin treatment.
- The manifests for disposal of removed material must be provided to SAWS annually
- If the basin operates with the use of filter media, an annual report must be submitted to SAWS verifying that the media maintenance has been performed and replaced media has been disposed of appropriately
- The area over the basin may not be used for parking and must remain clear of obstructions and traffic flow so that a SAWS staff member may inspect the basin 24 hours a day

If the applicant/owner does not meet the required specifications and approvals by the SAWS Aquifer Protection and Evaluation Section an above grade basin will be required and have to be approved prior to the release of the building permit.

Upon installation of the below grade basin(s) the applicant will provide to the SAWS Aquifer Protection and Evaluation Section a signed TCEQ Maintenance Agreement with the individual's name that will be serving as a point of contact for the basin(s). The applicant/owner shall provide proof of a service contract for a minimum of three years for the proposed basin(s) to ensure proper maintenance and inspections will occur. A Change in Responsibility for Maintenance on Permanent Best Management Practices and Measures form from TCEQ will be filled out and submitted to SAWS with the individual's name that will be serving as a point of contact for the basin(s) when a change of basin ownership or basin maintenance responsibilities occur.

3. The land uses within the zoned area shall be in conformance with the table of permitted uses at the time the re-zoning is approved. Should a proposed use be listed as requiring City Council approval, the owner/operator shall apply for re-zoning for that particular use at that site. If the land use is listed as special use, a special permit must be obtained for that use. If the land use is listed as prohibited, that land use will not be permitted on that site.
4. Wells that are no longer in use or abandoned shall be properly plugged in accordance with

SAWS water well plugging procedures. The Ground Water Resource Protection Section should be notified at 233-3546 upon discovery and plugging of such wells.

5. The owner of all water pollution abatement structures shall ensure these structures are properly maintained and kept free of trash and debris. A signed water quality maintenance plan must be submitted to the Aquifer Protection & Evaluation Section of SAWS. If at any time the ownership of the property changes, the seller must disclose to the buyer all the requirements of the water quality maintenance plan. The new owner must submit a signed water quality maintenance plan to the Aquifer Protection & Evaluation Section of SAWS.
6. Landscaped areas shall be sensitive to minimizing water needs, i.e., use of native plants. Each purchaser of an individual lot or tenant within this development shall be informed by the seller or lessor in writing about Best Management Practices (BMP) for pesticide and fertilizer application. Preventing Groundwater Pollution, A Practical Guide to Pest Control, available from the Edwards Aquifer Authority (210/222-2204), or equivalent information produced by the U.S. Natural Resource Conservation Service, Texas Department of Agriculture, U.S. Department of Agriculture, shall be used.
7. The applicant shall notify the Construction Monitoring of SAWS at (210) 233-3564 no later than 48 hours prior to the commencement of construction at the site. If any significant geologic features such as, but not limited to, solution openings, caves, sinkholes, or wells are found during the excavation, construction, or blasting, the developer shall notify the Texas Commission on Environmental Quality and the Aquifer Protection & Evaluation Section of SAWS at (210) 233-3522.

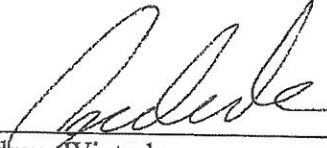
General Recommendations

1. Prior to the release of any building permits the owner/operator of any Category 2 property shall submit an Aquifer Protection Plan to the Aquifer Protection & Evaluation Section of the San Antonio Water System.
2. The land uses within the project site shall be in conformance with the table of permitted uses at the time the re-zoning is approved. Should a proposed use be listed as requiring City Council approval, the owner/operator shall apply for re-zoning for that particular use at the project site. If the land use is listed as special use, a special permit must be obtained for that use. If the land use is listed as not allowed, that land use will not be permitted on the project site.
3. Prior to the release of any building permits, the following shall be submitted to the SAWS Aquifer Protection & Evaluation Section of SAWS:
 - A. A copy of the Water Pollution Abatement Plan (WPAP) shall be submitted for each particular development/use within the area being considered for re-zoning,

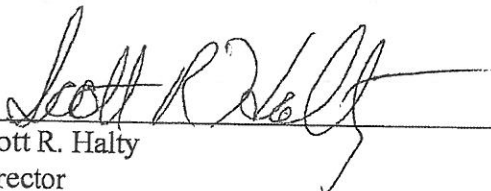
- B. A set of site specific plans which must have a signed Engineers Seal from the State of Texas,
 - C. A WPAP approval letter from the Texas Commission on Environmental Quality (TCEQ),
 - D. A copy of the approved Water Pollution Abatement Plan.
4. The storage, handling, use and disposal of all over the counter hazardous materials within this development shall be consistent with the labeling of those materials. Failure to comply with the label warnings may constitute a violation of Federal law.
- A. Prior to the start of the basin construction, the owner will notify the Aquifer Protection and Evaluation Section of the SAWS at (210) 233-3522 to schedule a site inspection.
 - B. After basin construction is complete and prior to the start of business, the owner will notify the Aquifer Protection and Evaluation Section at (210) 233-3522 to schedule a site inspection. Additionally, we recommend a maintenance plan and schedule be developed and submitted to the Aquifer Protection and Evaluation Section of SAWS.
 - C. If the basin fails to drain properly, the owner will notify the Construction Monitoring Section of the Resource Protection & Compliance Division at (210) 233-3564 prior to any discharge of water.
 - D. If at any time the ownership of the property changes, the seller must inform the buyer of all requirements for maintenance of the basin. A signed basin maintenance plan and schedule agreement, from the new owner, must be submitted to the Aquifer Protection & Evaluation Section of SAWS.
5. The City of San Antonio shall inspect all future construction of the sewage collection system to include service laterals and sewer mains for proper construction according to State and City Regulations and Code.
6. The Resource Protection & Compliance Division staff shall have the authority to inspect the site to ensure that the approved recommendations are being strictly adhered to during and after construction of the project.

Based on the site evaluation of the property, and the information submitted by the applicant, staff recommends **approval** of the proposed land use. Additionally, SAWS staff recommends that the applicant, or any future owner, comply with the above recommendations in regards to the development of the subject property.

APPROVED:



Andrew Wiatrek
Manager
Edwards Aquifer and Watershed Protection Division



Scott R. Halty
Director
Resource Protection & Compliance Department

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