

ELM CREEK  
COMMUNITY DEVELOPMENT

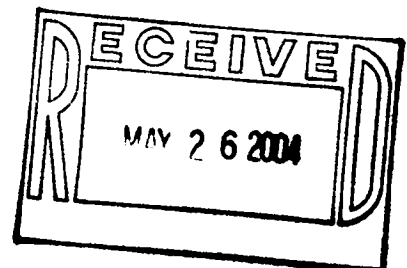
Submission for:  
PLANNED UNIT DEVELOPMENT (PUD# 130-A)  
and  
REZONING (BAZ #1445)

Submitted to:  
CITY OF BROKEN ARROW, OKLAHOMA

APPROVED <i>by City Council</i>
DATE <i>June 7, 2004</i>
BROKEN ARROW PLANNING DEPT.

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May 24, 2004



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## DEVELOPMENT CONCEPT

The ElmCreek Community Development is a proposed mixed-use Planned Unit Development (PUD) located in northwestern Broken Arrow, north of Albany Street and west of Elm Plans. This ±154.9 acre development is situated on relatively flat to rolling terrain that features a tree-lined creek/drainage ways and scattered farm ponds. The site has excellent development possibilities.

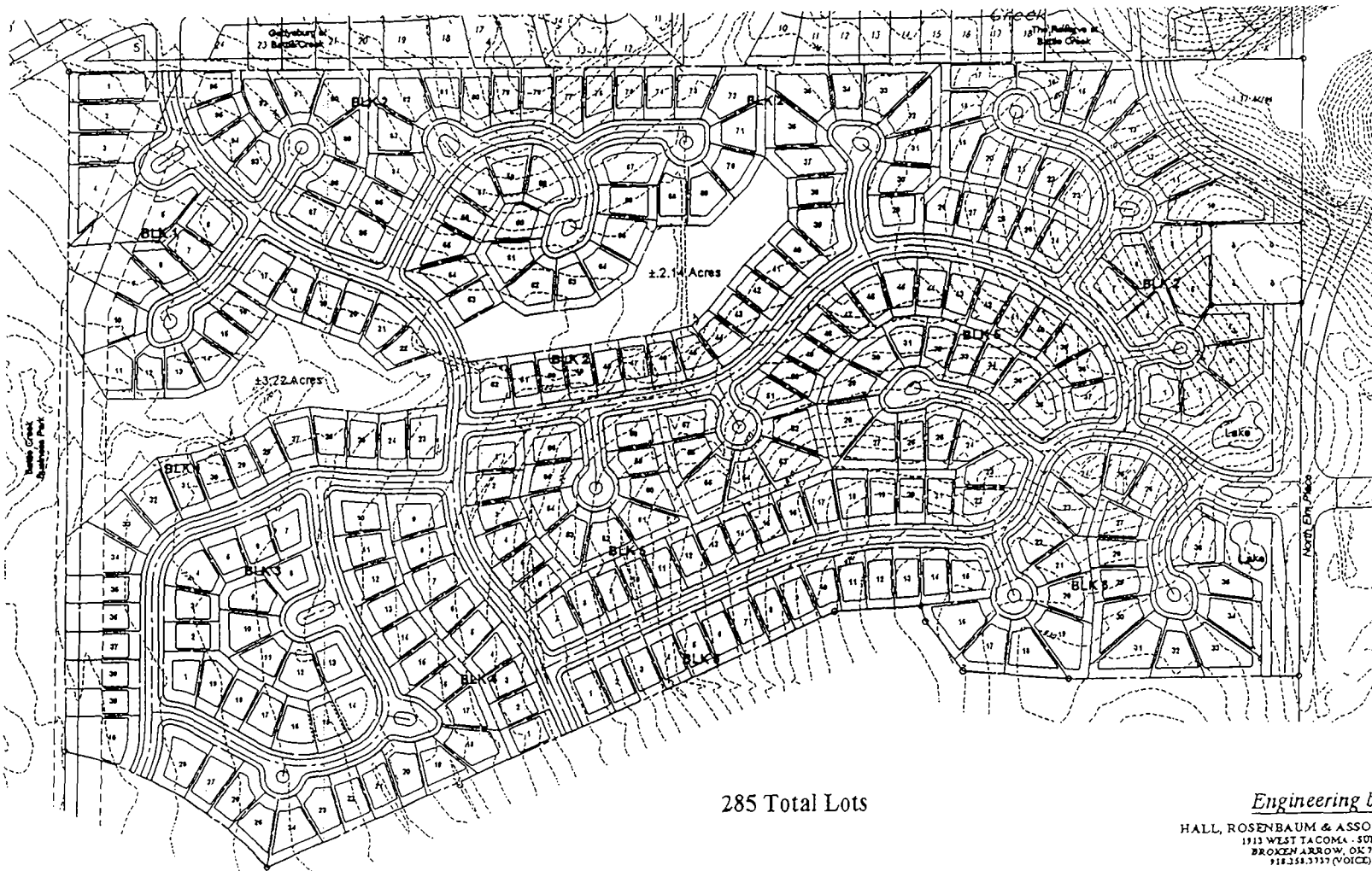
The property was originally approved for development as PUD 101 on November 18, 1996, however the PUD expired after no development had taken place in the allotted amount of time. The differences between the new Elm Creek PUD and the original Elm Creek PUD 101 are minor and are as follows: the original Tracts F and I are now combined into a single tract, Tract E; the original multi-family has been eliminated.

The proposed PUD currently being considered for approval is a mixed use development with provisions for residential, commercial shopping, office and hotel/conference land uses.

In determining which areas lend themselves to specific land uses, sensitivity to topography, vegetation, surrounding land uses and other critical factors are of primary importance. Careful planning and execution of the development will help fulfill the present and future needs of the community. Through the utilization of sound and proper planning techniques, the need for different land uses can be met while minimizing the effect and impact on the unique natural features that exist on the land today. These varying land uses are anticipated to be developed in such a way that the less intense land uses will be buffered from the more intense land uses by means of screening, landscape buffers and/or through a hierarchy of more intense to less intense land uses. The architectural design of buildings will create individuality within a development area while simultaneously maintaining the overall unity of this community.

There are several factors that will drive the development of this property as well as dictate what the appropriate land uses will be. Three of the most important of these factors would be the close proximity of the Broken Arrow Expressway, the Battle Creek Development, and the Broken Arrow Comprehensive Plan which this PUD was developed in accordance with. These items indicate that a significant portion of the subject tract will need to be developed in higher intensity types of land uses. The PUD submittal reflects that need as well as the need to be compatible with the surrounding land uses. To that end, this PUD requires commercial shopping, corporate office and hotel/conference center land uses south of the centrally located east/west roadway and residential uses to the north. The location types and intensity of uses will relate well to the Battle Creek development which shares this property's north and west boundaries. These will be at least two points of access between Elm Creek and Battle Creek, and one collector street point of access to the Reserve at Battle Creek development to the north. The development possibilities and benefits that this property has for the city of Broken Arrow are significant and the implementation of this PUD will help guarantee that this project is developed in the appropriate and best manner possible.

There shall be no more than six points of access to Albany Street (61<sup>st</sup> Street) and no more than three points to Elm Place (161<sup>st</sup> and East Avenue). All access points on Albany and Elm Place shall be spaced at least 300 feet apart, centerline to centerline. A 60' collector street is proposed in the south portion of the Elm Creek development. Between the proposed single family area and the commercial shopping/corporate office areas. It will connect Elm Place to the collector street stub from the Reserve at Battle Creek. Single-family lots will back or side to all collector streets. No single-family lot shall have direct access to a collector street or an arterial street. Right-of-way will be provided for Albany and Elm Place along the south and east boundaries of Elm Creek in accordance with the subdivision regulations. This right-of-way will be provided at the time of platting.



285 Total Lots

Engineering by:

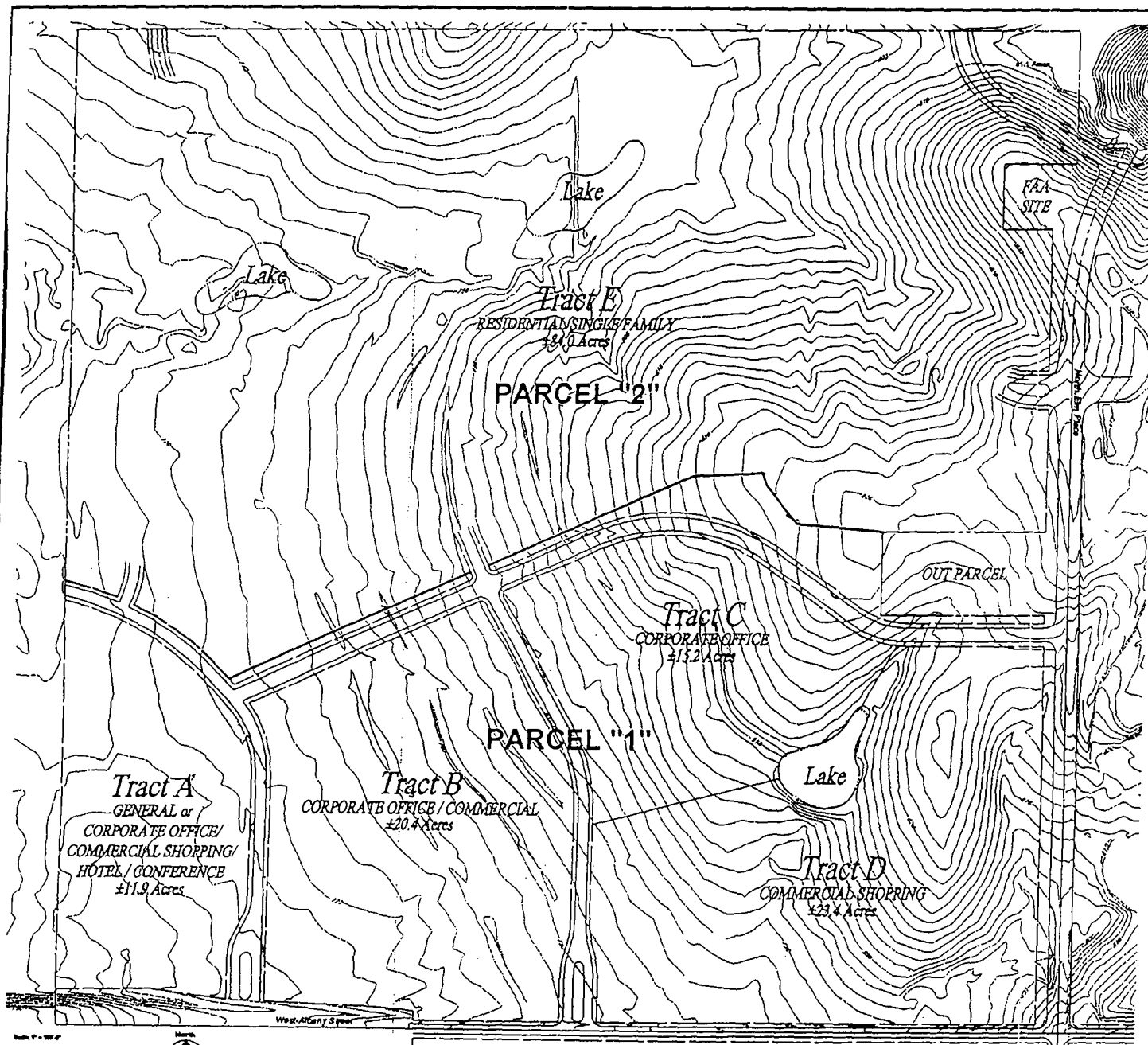
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12/2/2004  
REV. 04/2005



## Elm Creek

### Data Summary:

Total Project Area	1154.9 Acres
Development Areas	
-Single Family Residential	184.0 Acres
-Corporate Office	115.2 Acres
-Commercial Shopping	123.4 Acres
-Corporate Office / Commercial	120.4 Acres
-Corporate Office / Comm. Shopping / Hotel / Conference	111.9 Acres
Total Number of Dwelling Units	290
Single Family	290
Maximum Office Floor Area	725,927 SF
Maximum Commercial Floor Area	544,500 SF



## STATISTICAL SUMMARY

Project Area	±154.9 acres
Total Number of Dwelling Units	290
Total Office Floor Area	725,927 sq.ft.
Total Commercial Floor Area	544,500 sq.ft.
Development Areas:	

***Parcel 1:***

<i>Tract A: General or Corporate Office/Commercial Shopping/Hotel Conference</i>	
Total Tract Area	±11.1 acres
Corporate Office Floor Area	75,000 sq.ft.
Commercial Shopping Floor Area	75,000 sq.ft.
Hotel/Conference Floor Area	175,000 sq.ft.

*Tract B: Corporate Office/Commercial*

Total Area	±21.5 acres
Corporate Office Floor Area	270,427 sq.ft.
Commercial Floor Area	100,000 sq.ft.
Floor Area Ratio (combined)	.39

*Tract C: Commercial Shopping*

Total Area	±22.5 acres
Commercial Shopping Floor Area	250,000 sq.ft.
Floor Area Ratio	.36

*Tract D: Commercial Shopping*

Total Area	±15.8 acres
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***Parcel 2:***

*Tract E: Residential Single-Family Attached*

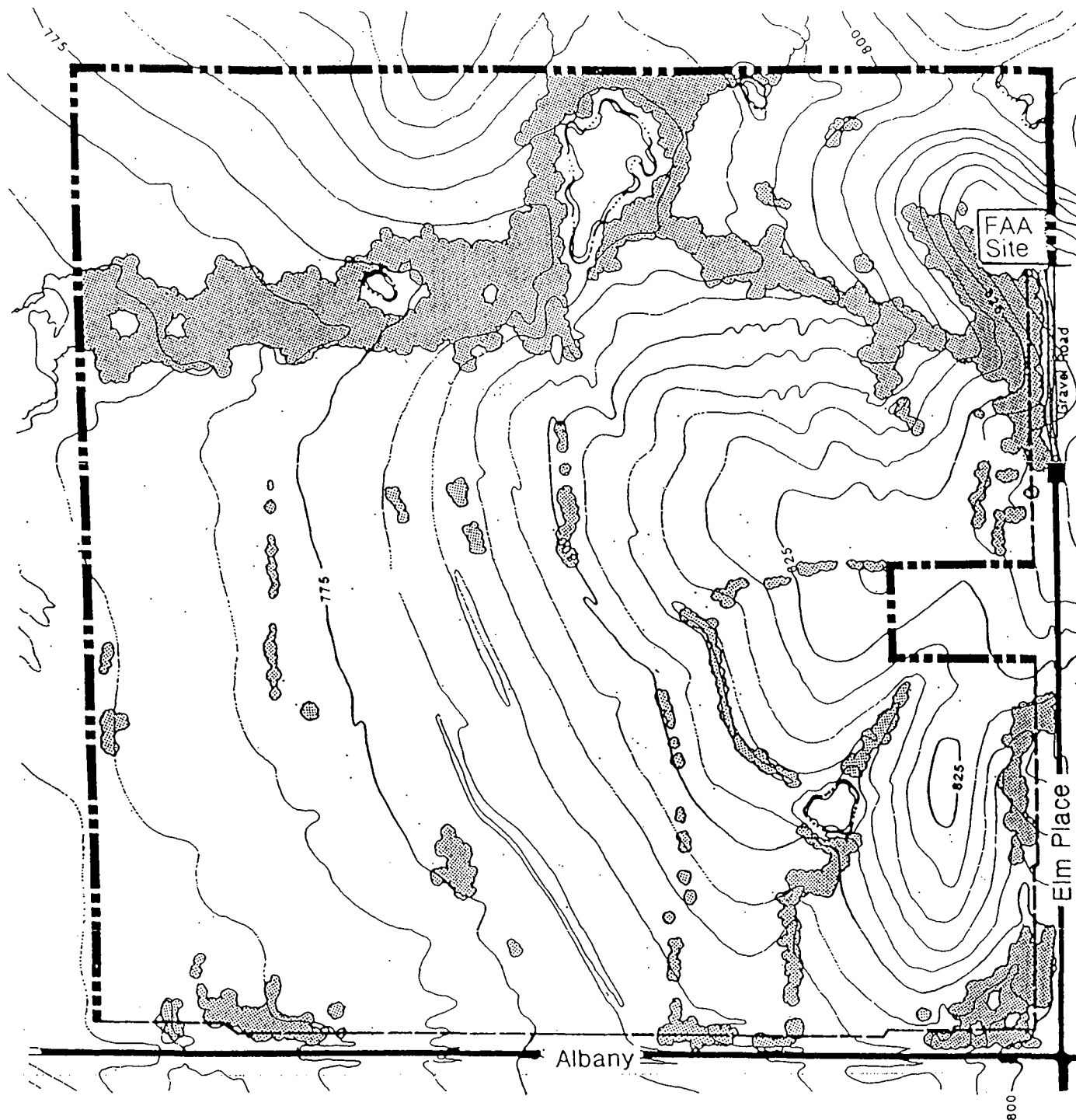
Total Area	±84 acres
Total Number of Dwelling Units	290 DUs
Density	3.5 DU/ac.

## EXISTING CONDITIONS

The Elm Creek Community Development is a ±154.9 acre site located in the northwestern corner of the City of Broken Arrow, Oklahoma. The site is generally bounded by Albany Street (61<sup>st</sup> Street South) and the Broken Arrow Expressway on the south, Elm Place (161<sup>st</sup> East Avenue) on the east, and the Battle Creek development on the north and west. The site abuts on three sides by the Federal Aviation Administration complex on Elm Place. The majority of the Elm Creek site is characterized by generally flat to rolling terrain with scattered groupings of mature trees and a variety of small farm ponds. The elevation ranges from 760 feet at the site's low point located along the southwestern boundary at Albany Street and the Broken Arrow Expressway to 838 feet situated in the northeast corner of the site. A vertical difference of 78 feet in elevation across the project area will have minimal developmental impact. The on-site slopes consist mainly of 0%-5% slopes with lesser amounts of 5%-10% and 10%-20% slopes. The areas of steepest slopes are generally located in the northeast corner of the site along the side slopes of one of the project's three ridgelines.

The wooded areas of the site are generally located along the creeks/drainage ways and fence lines. One of the more concentrated areas of existing trees is situated in the northwestern portion of the development along a creek that will ultimately become a major feature of the project's open space/greenbelt/park system.

Vehicular access to the site is excellent and will be provided by one of several primary and secondary arterials. The most predominant point of access to Elm Creek will be the Broken Arrow Expressway/State Highway 51 which allows quick and easy access to the cities of Broken Arrow and Tulsa as well as the overall local freeway system. Access will also be provided by Albany Street and Elm Place.



Legend:



Existing Tree Masses



Existing Lake/Pond

# Existing Conditions

## EXISTING UTILITIES ANALYSIS

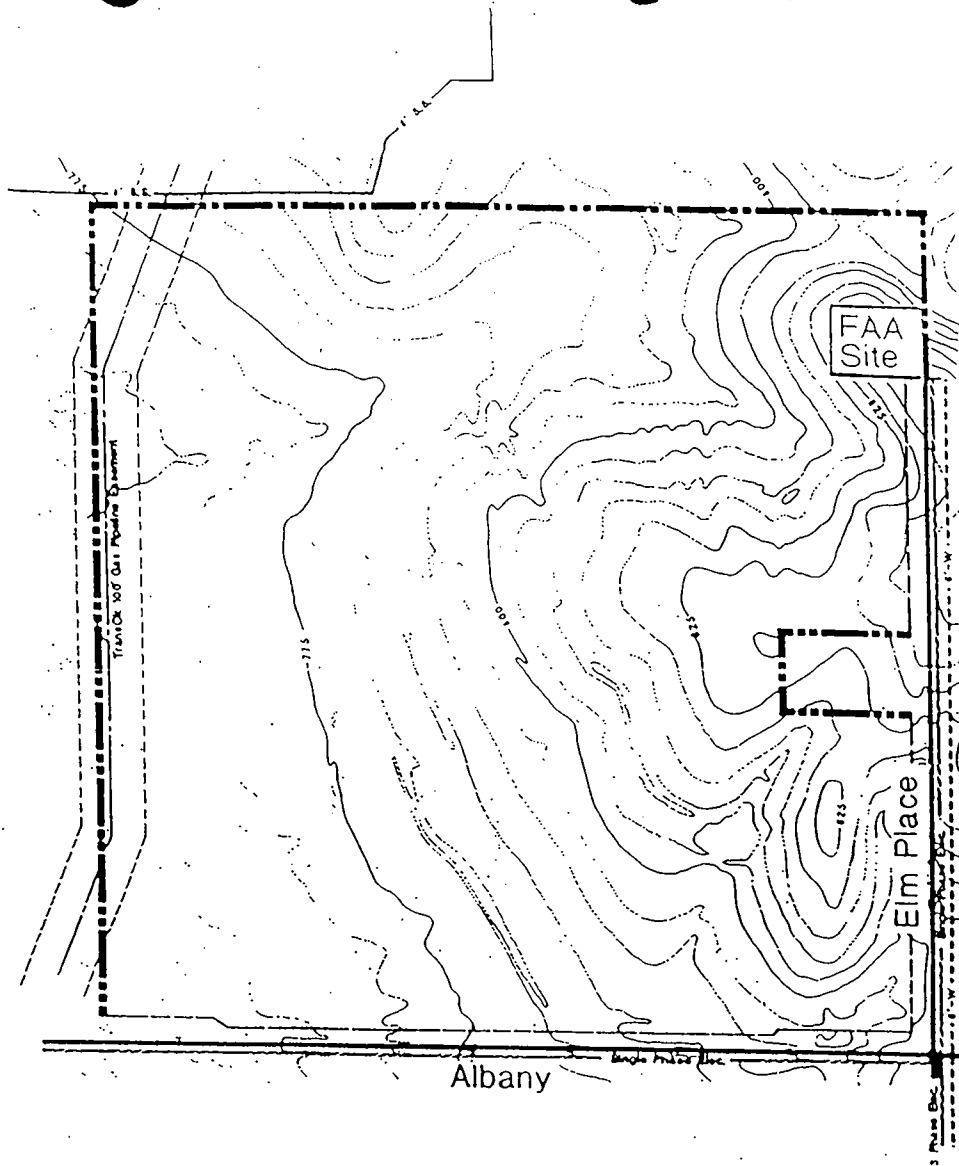
All major utilities except natural gas, water, sewer and electric have direct access to the project site at one or more points. While there appears to be no significant problem in servicing all portions of the project, utility extensions for the provision of service to different sections of the site need to be analyzed as these parcels become developed.

Water will be provided primarily by the City of Broken Arrow which has a 6 inch existing waterline located east of Elm Place.

Sanitary sewer is provided by the City of Broken Arrow. The city has a sanitary sewer line located just north of the site in the Battle Creek development. The capacity of this sewer line should have no problem in handling the development's waste.

Public Service Company of Oklahoma (PSO) furnishes electricity to the entire area. As with the other aforementioned utilities, electric service is available and is located on the south side of Albany and the east side of Elm Place.

Oklahoma Natural Gas (ONG) is the supplier of natural gas to the project. The gas lines with the closest access to the project site are 18 and 24 inch line located approximately ¼ mile south on Elm Place just south of the Broken Arrow Expressway. There is a 4 inch gas line on the south side of Albany west of the Broken Arrow Expressway.



Legend:

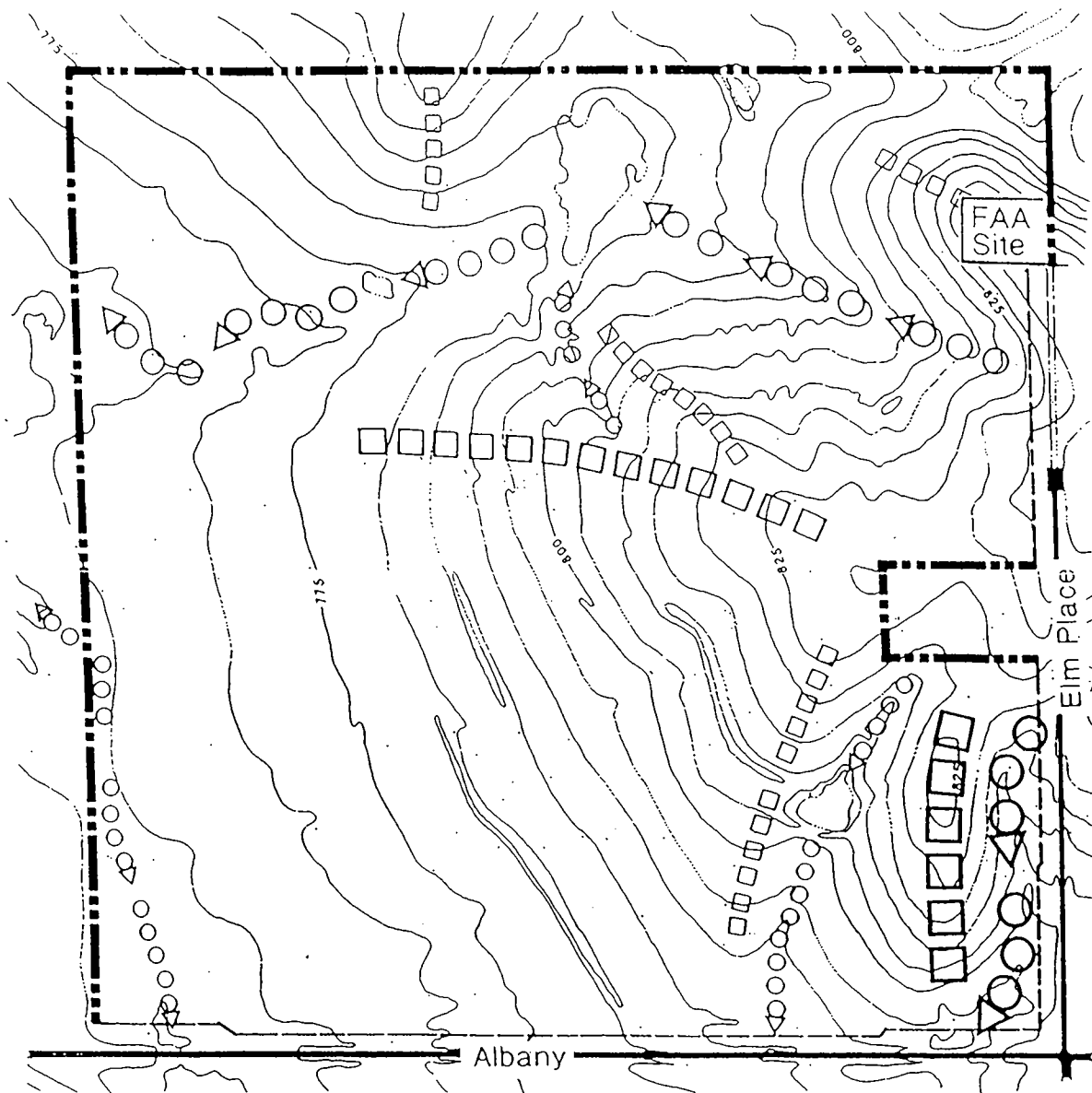
- Electric Line—Public Service of Oklahoma
- Sanitary Sewer Line
- - - Water Line

# Existing Utilities

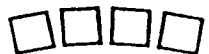
## HYDROLOGY ANALYSIS

One of a project's most desirable aesthetic elements can also be one of the more challenging areas to deal with, these areas being the site's ridgelines and drainage ways. While most of the project's ridgelines and drainage ways are not restrictive, from a development point of view, they do function well in helping to define the project's drainage basins as well as specific development areas that will be located throughout the project. The ridgelines assist in determining where roadways and views will be established. In addition to the drainage ways helping to separate and define specific parcels of land, they also help to separate and buffer differing land uses.

Much of the on-site storm water drainage generally flows from east to west. Storm water detention will be provided in accordance with current policies and requirements of the City of Broken Arrow. Specific locations and capacities of these facilities will be determined at the time of platting.



Legend:



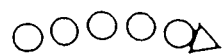
Major Ridgeline



Minor Ridgeline



Major Drainageway



Minor Drainageway

Note: Project has no on-site 100 year Floodplain

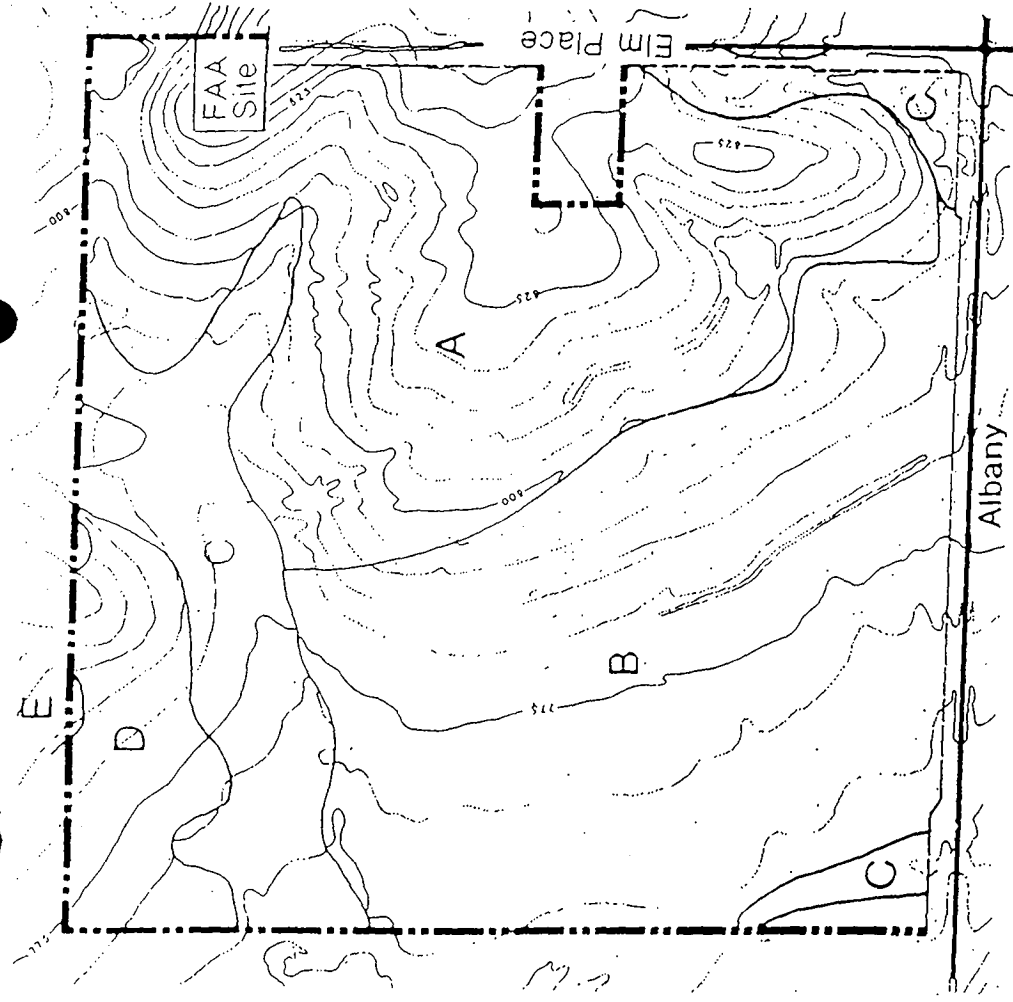
# Hydrology Analysis

## SOILS ANALYSIS

The soil types found on the Elm Creek site are typical for this part of the state. The bulk of the soil types have some problems with shrink/swell potential and somewhat low strength. In addition there is a certain amount of rock on site that will have to be considered when some areas are developed. These soils should create no unusual developmental problems that are not commonly encountered in most other area developments. Proper structural design will be needed to compensate for the shrink swell potential and low strength. Detailed soil test will need to be performed as parcels become developed.

The specific soil types found on the project are:

- |                           |              |
|---------------------------|--------------|
| • Coweta-Bates complex    | 2-6% slopes  |
| • Dennis-Carytown complex | 1-3% slopes  |
| • Dennis-Radley complex   | 0-12% slopes |
| • Niotaze-Darnell complex | 3-15% slopes |
| • Okemah silt loam        | 0-1% slopes  |



Legend:

- A Coweta-Bates Complex, 2-6% Slopes
- B Dennis-Carytown Complex, 1-3% Slopes
- C Dennis-Padley Complex, 0-12% Slopes
- D Notaze-Dameil Complex, 3-15% Slopes
- E Okemah Silt Loam, 0-1% Slopes

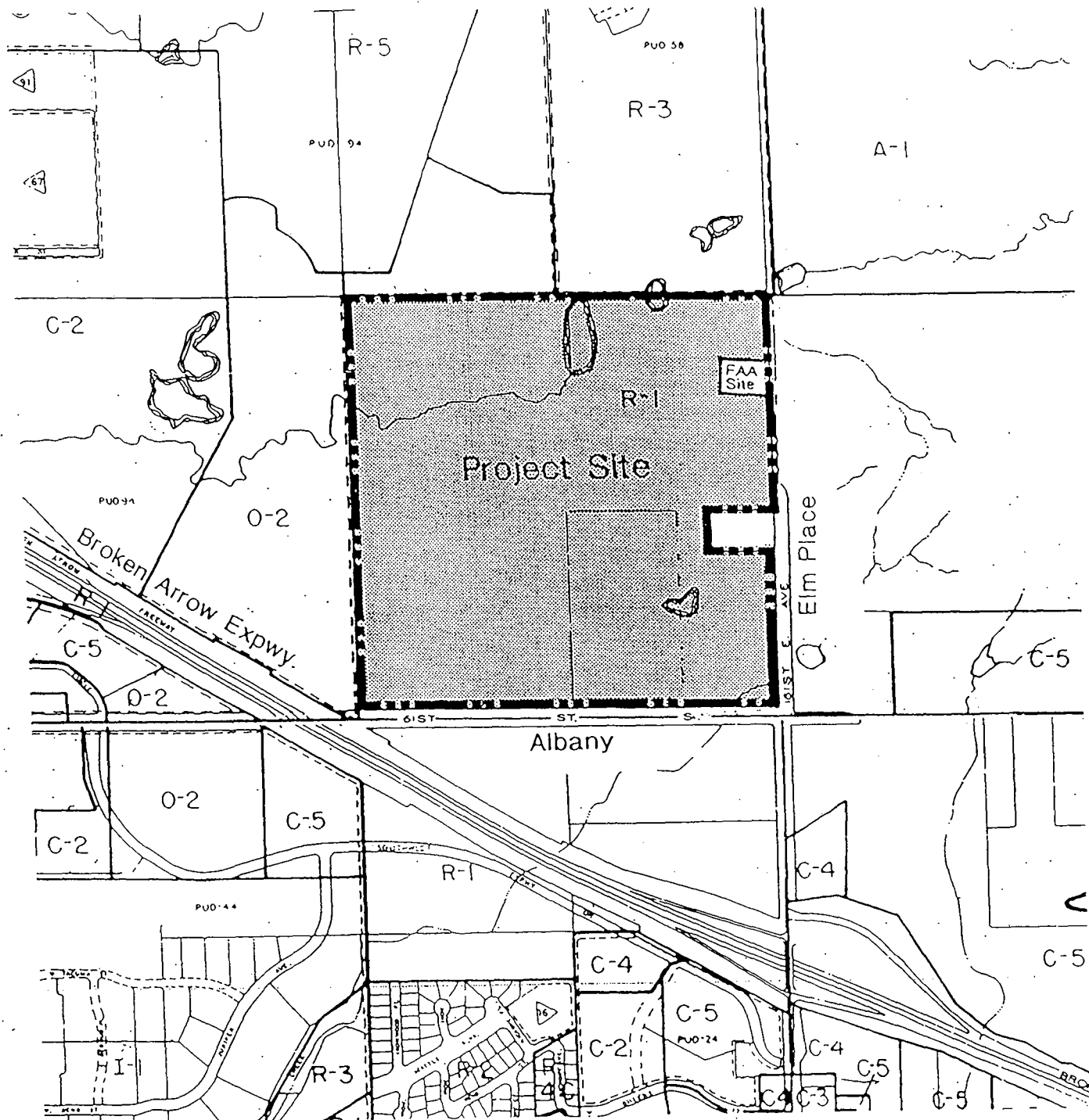
# Soils Analysis

## SURROUNDING ZONING ANALYSIS

The Broken Arrow Comprehensive Plan shows the Elm Creek PUD area to have three Land Use Intensity Classifications: Level 2 – Urban Residential, in the northern half of the property; Level 3 – Transition Area, in the west central portion of the development; and Level 6 – Regional Employment/Commercial, in the south half of the PUD. The vast majority of the land south, east and west of Elm Creek has Level 3 – Transition Area, and Level 6 – Regional Employment/Commercial land use intensity classifications.

The Elm Creek project site is located in an area of Broken Arrow that has a variety of zoning types in very close proximity. These zoning districts span the spectrum from the least intense land use, A-1, to one of the most intense, C-5. While there are various residential zoning districts located contiguous to portions of the property, the most predominant zoning classification in the immediate area is office (O-2) and commercial (C-5).

As some of the residentially zoned, undeveloped land around the PUD becomes developed, it is felt that some of these areas will be rezoned into higher intensity non-residential land uses. The fact that this area is a highly traveled section in Broken Arrow, with the Broken Arrow Expressway situated contiguously to the southwest corner of the PUD, it seems logical that the area will continue to develop with highway corridor type land uses and zoning districts.



# Surrounding Zoning

## DEVELOPMENT STANDARDS

***PARCEL 1:*** *Office, Commercial, Shopping, Hotel/Conference Center*(Tracts A, B, C and D)  
Parcel 1 shall be governed by the use and development regulations of the C-5 Zoning District except as follows:

The following uses are not permitted in Parcel 1:

- Agricultural implements, sales, repair and service
- Amusement Park
- Armored car service, office and garage
- Auctioneer Auditorium
- Auctioneer Office
- Baseball Park
- Bingo Hall/Parlor
- Armory
- Concrete and cement product sales
- Concrete and cement retail (small scale)
- Construction company office with storage and equipment
- Delivery service department/warehouse
- Drygoods and apparel wholesale
- Equipment rental (general light and used equipment)
- Fence sales
- Firewood Retail
- Furniture cleaning, repair and restoration
- Golf driving range
- Miniature golf (indoors/outdoors)
- Kennel and animal training
- Lawn and garden maintenance and installation service
- Machine shop
- Machinery rental
- Min-storage
- Monument sales, including incidental processing but not shaping
- Motor freight terminal
- Open air/flea market
- Recreation vehicles, manufacture and storage
- Sexually oriented businesses
- Souvenirs
- Roadside stand
- Theater, motion picture (drive-in)
- Tractor rental (heavy equipment)
- Trailer rental
- All wholesales uses
- Outdoor storage of non-retail equipment

- Minimum Internal Landscaped Open Space\* 15%
- Minimum Building Setbacks:
  - Rear Yards 30 ft.
  - Side Yards 20 ft. minimum for fire lane
- Minimum internal landscaped open space 15% of the net lot area of each lot

\*Required internal landscaped open space shall include perimeter landscaping within the development area boundaries, parking islands and landscape plazas, but shall exclude walkways which solely provide minimum pedestrian circulation.

\*Applicants submitting site plans to the Broken Arrow Planning Commission shall show the amount and percentages of landscaped open space provided on site.

***Sign Standards:***

All signs will conform to Article IX of the Zoning Ordinance for the City of Broken Arrow, Oklahoma. Signs on lots containing less than 2.5 acres shall not exceed 14 feet in height. All signs shall have a monument base. No portable signs or banners of any type shall be allowed.

***Lighting:***

Exterior lighting shall be located outside all utility easements. On lots containing less than 2.5 acres, the top of the light shall not be higher than 16 feet above the parking lot surface. All exterior lights shall be designed so that no light extends beyond the property lines, and light on light poles will be shielded. Lighting plan shall be submitted to and approved by the Planning Department prior to installation.

***Landscaping:***

Landscaping will be provided in Parcel 1 in accordance with Article VIII, Section 19 of the City of Broken Arrow Zoning Ordinance except as follows:

- A landscape area of at least 20 feet in width shall be provided along Albany Street and along Elm Place. In this landscape area, at least 1 tree shall be planted per 40 lineal feet of frontage.
- Where Parcel 1 directly abuts Parcel 2, a landscaped edge of at least 20 ft. shall be provided. In this 20 ft wide open space area, at least one tree shall be provided for every 25 linear feet. At least 50% of the trees shall be evergreens.

***Buffer:***

Parcel 1 shall have a 30 ft. perimeter buffer on the west and south sides of the out parcel that fronts onto Elm Place as long as it remains a single-family use.

***Other Requirements:***

Detailed site plans will be submitted for each development area consistent with the concepts and development standards set forth above. Additional requirements or modifications may be established by the City of Broken Arrow Planning Commission and the Broken Arrow City Council pursuant to its review of the detailed site plan of each development area.

## DEVELOPMENT STANDARDS

### ***Parcel 2: Single-Family Detached Dwellings*** (Tract E)

Single-family detached structures intended for individual lot ownership. Parcel 2 shall be governed by the use and development regulations of the R-3 zoning district except as follows:

- Maximum Number of Dwelling Units..... 290
- Corner Lot Minimum Side yard on Non-Collector Streets  
with limit of no access ..... 20 ft.
- Corner lot minimum side yard on an non collector streets  
with access ..... 25 ft.
- Minimum Lot Frontage\* ..... 60 ft. (at building line)
- Minimum Lot Depth..... 110 ft.
- Minimum Rear Yard..... 20 ft.
- Minimum Side Yard..... 5/5 ft.
- Minimum Lot Frontage at R.O.W. for Pie Shaped  
Or Flag Lots..... 30 ft. at R.O.W.

#### ***Other Requirements:***

A preliminary and final plat will be submitted for the residential development areas that are consistent with the concepts and development standards set forth above. Additional requirements or modifications may be established by the City of Broken Arrow Planning Commission and the Broken Arrow City Council pursuant to their review.

\*On cul-de-sacs, pie shaped lots may have a less than minimum frontage measured at building lines, but will not be less 40 feet wide measured at the building line. Average lot width, measured halfway between the front and rear lot lines will be a minimum of 60 feet.

## LANDSCAPING

The landscaping plans for Elm Creek will achieve unity throughout the Planned Unit Development as well as provide an attractive view of the project from surrounding streets and neighborhoods. Areas for storm water drainage and detention will be landscaped to provide areas of visual interest. All landscaping at Elm Creek will be done in accordance with Article VIII, Section 19 of the City of Broken Arrow Zoning Ordinance.

In addition, trees shall be planted along collector streets as tracts become developed that front and/or border the collector street. The number of trees required along the collector street shall be the same as that required along an arterial street in the Zoning Ordinance.

Prior to the issuance of an occupancy permit for a development area, plant materials and any required screening fences shall be installed in conformity with a detailed landscape plan which has been submitted to and approved by the Broken Arrow Planning Commission.

## PROPERTY OWNERS' ASSOCIATION

There will be several property owners' associations established at Elm Creek. These different property owners' associations will be based on each individual tract land use. There will be a residential property owners' association that will have as its main objectives the maintenance of the storm water drainage and detention areas as well as entryways into the residential areas, buffers and center islands. These areas will be landscaped with berms and assorted plant materials by the developer and turned over the appropriate property owners' association for maintenance.

The non-residential land uses at Elm Creek (i.e., office, commercial, hotel/conference) will have separate property owners associations with similar responsibilities as the other property owners associations within Elm Creek. Land users for these tracts will be responsible for the proper installation of the required landscaping materials. In any areas where differing land uses join together, the possibility of a joint organization between the differing land uses to maintain any landscaped areas will need to be analyzed and delineated in the covenants and filed with the final plat.

In the event any of the associations fail to maintain the storm water drainage and detention facilities in accordance with the approved plan, the City of Broken Arrow will have the right to maintain these areas and bill the appropriate Elm Creek Community development property owners' association for the cost.

Final documents on the property owners' association at the Elm Creek Community development will be filed with the final plat and will include the maintenance responsibilities and other specific rights and requirements for association members.

## SITE PLAN REVIEW

No Building permit shall be issued for the construction of buildings within Elm Creek other than for single-family residential structures in Tract E, until a detailed site plan of the development area has been submitted to and approved by the City of Broken Arrow Planning Commission as being in compliance with the Development Concept and the Development Standards.

## PLATTING REQUIREMENT

No building permit shall be issued until the property has been included within a subdivision plat submitted to and approved by the City of Broken Arrow Planning Commission and the Broken Arrow City Council and duly filed of record, provided however, that development areas may be platted separately. Restrictive covenants shall be established implementing of record the planned unit development standards, and the City of Broken Arrow shall be made a beneficiary thereof.

## EXPECTED SCHEDULE OF DEVELOPMENT

Development of the Elm Creek Community is anticipated to commence late in 2004 or early 2005 after approval of the first plat and letting of development contracts.