

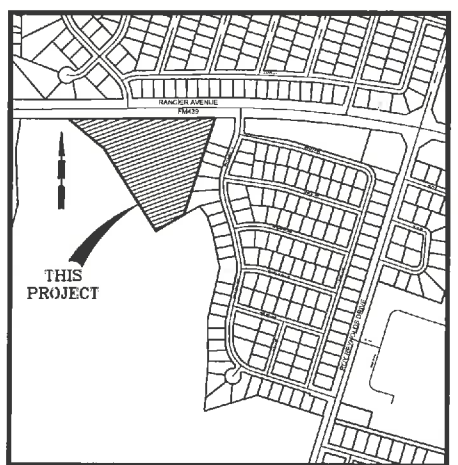
LEGEND

- Electrical Manhole
- ⊕ Fire Hydrant
- Gas Manhole
- ⊕ Gas Meter
- ⊕ Guy Anchor
- ⊕ Iron Pipe Found
- ⊕ Iron Rod Found
- ⊕ Iron Rod Set
- ⊕ Light Pole
- ⊕ Power Pole
- ⊕ Sewer Clean-Out
- ⊕ Sewer Manhole
- ⊕ Sprinkler Head
- ⊕ Storm Drain Manhole
- ⊕ Street Sign
- ⊕ TBM
- ⊕ Telephone Manhole
- ⊕ Telephone Pedestal
- ⊕ Water Meter
- ⊕ Water Valve

- Station
- Top of Curb Elevation
- SD1.01 Proposed Drainage Structure No.
- WAT.01 Indicates Proposed Water Structure Identifier
- WSL.01 Indicates Proposed Water Service Line Number
- SF1.01 Indicates Proposed Sewer Structure Identifier
- SST.01 Indicates Proposed Sewer Service Line Number
- Flow Direction
- ♿ Prop. Handicapped Parking Sign
- ⊕ Inlet Protection
- Prop. Drainage Structure w/Culvert Inlet Protection
- Prop. Inlet / Storm Drain
- ⊕ Drainage Ditch
- Pipeline
- Gas Line
- Telephone Cable
- FC — Fiber Optics Cable
- OE — Overhead Electrical Line
- UE — Underground Electric Line
- UU — Underground Utilities
- BS — Ex. Sewer Line w/ size
- BS — Prop. Sewer Line w/ size
- BW — Ex. Water Line w/ size
- BW — Prop. Waterline & Fire Hydrant
- SF — Prop. Silt Fence
- 224 — Ex. Ground Contour Line
- 220 — Prop. Finish Grade Contour
- X — Wood Fence
- X — Wire Fence
- Chain Link Fence
- Pipe Fence
- Subdivision Boundary
- Prop. R.O.W. Line
- Easement Lines
- Setback Lines

ABBREVIATIONS

- | | |
|---------------------------|------------------------------------|
| BC BUILDING CORNER | O.D. OUTSIDE DIAMETER |
| BL BUILDING LINE | ± PLUS OR MINUS |
| BM BENCHMARK | PC POINT OF CURVATURE |
| CFS CUBIC FEET PER SECOND | PRC POINT OF REVERSE CURVATURE |
| CL CENTERLINE | PCC POINT OF COMPOUND CURVATURE |
| CMP CORRUGATED METAL PIPE | PL PROPERTY LINE |
| CONC. CONCRETE | PR PROPOSED |
| Δ DELTA | PT POINT OF TANGENCY |
| ∅ DIAMETER | P.D.E. PUBLIC DRAINAGE EASEMENT |
| DIA DIAMETER | P.U.E. PUBLIC UTILITY EASEMENT |
| DIP DUCTILE IRON PIPE | PVC POLYVINYL CHLORIDE |
| ELEV. ELEVATION | R RADIUS |
| E.O.P. EDGE OF PAVEMENT | R.O.W. RIGHT OF WAY |
| EX. EXISTING | SD STORM DRAIN |
| F.F. FINISHED FLOOR | SF SQUARE FEET |
| F.H. FIRE HYDRANT | SS SEWER SERVICE |
| FL FLOW LINE | S.A. SQUARE YARD |
| FT. FOOT (FEET) | PROP. STATION |
| GALV. GALVANIZED | STD. STANDARD |
| H.P. HIGH POINT | SW SIDEWALK |
| HCL. HYDRAULIC GRADE LINE | TBM TEMPORARY BENCHMARK |
| IN. INCH | TC TOP OF CURB |
| L.F. LINEAR FEET | TG TOP OF GRATE |
| L.P. LOW POINT | TI TOP OF INLET |
| MH. MANHOLE | TMH TOP OF MANHOLE |
| MIN. MINIMUM | TP TOP OF PAVEMENT |
| MISC. MISCELLANEOUS | TS TOP OF SIDEWALK |
| NG. NATURAL GROUND | TEL. TELEPHONE |
| N.T.S. NOT TO SCALE | VPC VERTICAL POINT OF CURVATURE |
| OC ON CENTER | VPI VERTICAL POINT OF INTERSECTION |
| OCEW ON CENTER EACH WAY | VPT VERTICAL POINT OF TANGENCY |
| | WS WATER SERVICE |



VICINITY MAP
N.T.S.

KILLEEN ENGINEERING & SURVEYING, LTD
 2901 E. Stan Schlueter Loop
 Killeen, Texas 78542
 OFFICE: (254) 526-3981 FAX: (254) 526-4351
 TBPE REGISTRATION NO. F-4200
 TBPLS REGISTRATION NO. 100144-00

DATE	SHEETS

PROPOSED DEVELOPMENT CONCEPT PLAN
LAKEVIEW PARK SUBDIVISION
FOURTH REPLAT
KILLEEN, BELL COUNTY, TEXAS

For Interim Review Only
 These documents have been released on July 1, 2016 for the purpose of review and comment under the authority of: Anco E. Neuge, P.E., P.E. No. 51922. They are not to be used for construction purposes.

Project No.:	2016-022
Acres:	8.12
No. of Lots:	33
Scale:	1" = 60'
Date:	7/1/2016
Design By:	AEN/BJP
Sheet No.:	100

NOTES:
 1. LOT LINES ARE SHOWN AS A CONCEPT LAYOUT AND ARE SUBJECT TO CHANGE BASED OFF OF ADDITIONAL FIELD INFORMATION.
 2. LOTS SHALL ADHERE, IF APPROVED, TO THE PROPOSED PUD REQUIREMENTS SUBMITTED WITH THIS ZONING CASE.



EXISTING DRAINAGE AREA MAP

DRAINAGE NOTES:
 1. ALL UPSTREAM FLOWS SHALL BE ACCEPTED ONSITE AS THEY CURRENTLY EXIST AND SHALL NOT BE OBSTRUCTED.

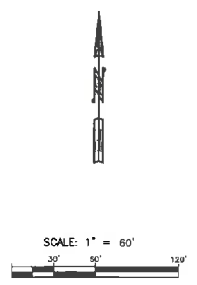
LEGEND

- Ex. Major Contour
- - - Ex. Minor Contour
- - - - - Drainage Area Boundary
- Time of Concentration Flow Path
- TCE Time of Concentration
- EX1 Drainage Area Label
- Flow Direction Arrow

KILLEEN ENGINEERING & SURVEYING, LTD
 2901 E. Stan Schlueter Loop
 Killeen, Texas 76542
 OFFICE: (254) 526-3981 FAX: (254) 526-4351
 TBPE REGISTRATION NO. F-4200
 TBPLS REGISTRATION NO. 100144-00

DATE	SHEETS

**DRAINAGE AREA MAP - EXISTING
 LAKEVIEW PARK SUBDIVISION
 FOURTH REPLAT
 KILLEEN, BELL COUNTY, TEXAS**



For Interim Review Only
 These documents have been released on July 1, 2016 for the purpose of review and comment under the authority of: Anca E. Naagu, P.E., P.E. No. 91922. They are not to be used for construction purposes.

Project No.:	2016-022
Acres:	8.12
No. of Lots:	33
Scale:	1" = 60'
Date:	7/1/2016
Design By:	AEN/BJP
Sheet No.:	2.00



ZONE X
APPROXIMATE LIMITS OF 100-YEAR
FLOOD BOUNDARY PER FEMA FLOOD
INSURANCE RATE MAP 48027C0285E
FOR BELL COUNTY TEXAS (9/26/08)

ZONE AE
APPROXIMATE LIMITS OF 100-YEAR
FLOOD BOUNDARY PER FEMA FLOOD
INSURANCE RATE MAP 48027C0285E
FOR BELL COUNTY TEXAS (9/26/08)

DA3
0.47 ac

DA3
3.66 ac

DA2
1.86 ac

DA1
2.13 ac

E. RANCIER AVENUE (FM 439)

STREET B

LOT SWALE

STREET A

FLUME A

EXISTING EARTHEN CHANNEL

GIGANTE DR

SHIMS BLVD

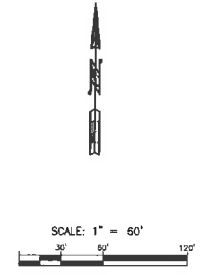
LAUSTIN LN

SHIMS BLVD

WATERBANK LN

LEGEND

- Ex. Major Contour
- Ex. Minor Contour
- - - - - Drainage Area Boundary
- → → → → Time of Concentration Flow Path
- TCE Time of Concentration
- EX1 Drainage Area Label
- Flow Direction Arrow



DRAINAGE NOTES:

1. ALL UPSTREAM FLOWS SHALL BE ACCEPTED ONSITE AS THEY CURRENTLY EXIST AND SHALL NOT BE OBSTRUCTED.
2. ENERGY DISSIPATION SHALL BE PROVIDED AT EACH OUTFALL BY THE USE OF ROCK RIPRAP OR CONCRETE RIPRAP.
3. ALL LOTS MUST HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES.
4. UNDER PROPOSED CONDITIONS, THE MAJORITY OF THE SITE SHALL BE DESIGNED TO SURFACE DRAIN TO THE EXISTING DRAINAGE DITCH TO THE EAST
5. THE PROPOSED SITE DESIGN SHALL NOT CREATE A POINT DISCHARGE ONTO ADJACENT PARCELS AND ALL SURFACE RUNOFF SHALL BE APPROXIMATED TO SHEET FLOW PRIOR TO LEAVING THE PARCEL.
6. PER CITY CODE DEFINITION, THE EXISTING CHANNEL DOES NOT HAVE A PROTECTED CREEK BUFFER ZONE.
7. BASED ON OUR PRELIMINARY DRAINAGE ANALYSIS, THE SUBJECT SITE WILL NOT REQUIRE ONSITE DETENTION. A DETAILED DRAINAGE ANALYSIS WILL BE PREPARED AND SUBMITTED WITH THE FINAL PLAT AND CONSTRUCTION PLANS AT A LATER DATE.
8. THE DRAINAGE DESIGN PROVIDED HEREON ILLUSTRATES OUR PRELIMINARY DESIGN INTENT FOR THE PROPOSED HYDROLOGIC AND HYDRAULIC METHODOLOGIES, PLANNING AND DESIGN ASSUMPTIONS USED TO ADDRESS THE APPLICABLE UNDERLYING DRAINAGE FACILITY PRINCIPLES AS SPECIFIED IN THE CITY OF KILLEEN DRAINAGE DESIGN MANUAL (DDM), DATED NOVEMBER 8, 2011. THE DRAINAGE DESIGN INFORMATION HEREON IS BEING PROVIDED FOR ZONING REVIEW AND APPROVAL ONLY.
9. ALL DRAINAGE EASEMENTS WITH SURFACE DRAINAGE SHALL BE KEPT FREE OF ALL OBSTRUCTIONS.
10. CONTOUR INFORMATION HAS BEEN PROVIDED FROM CITY OF KILLEEN AERIAL TOPOGRAPHY (2014).
11. ALL LOT SWALES SHALL BE GRADED TO DRAIN.

KILLEEN ENGINEERING & SURVEYING, LTD
 2901 E. Stan Schlueter Loop
 Killeen, Texas 76542
 OFFICE: (254) 526-3981 FAX: (254) 526-4351
 TBPE REGISTRATION NO. F-4200
 TBPE'S REGISTRATION NO. 100144-00

DATE	SHEETS

**DRAINAGE AREA MAP - PROPOSED
 LAKEVIEW PARK SUBDIVISION
 FOURTH REPLAT
 KILLEEN, BELL COUNTY, TEXAS**

For Interim Review Only
 These documents have
 been released on
 July 1, 2016
 for the purpose of review
 and comment
 under the authority of:
 Anca E. Naogu, P.E.,
 P.E. No. 51522
 They are not to be used
 for construction purposes.

Project No.:	2016-022
Acres:	8.12
No. of Lots:	33
Scale:	1" = 60'
Date:	7/1/2016
Design By:	AEN/BJP
Sheet No.:	3.00

PROPOSED DRAINAGE AREA MAP