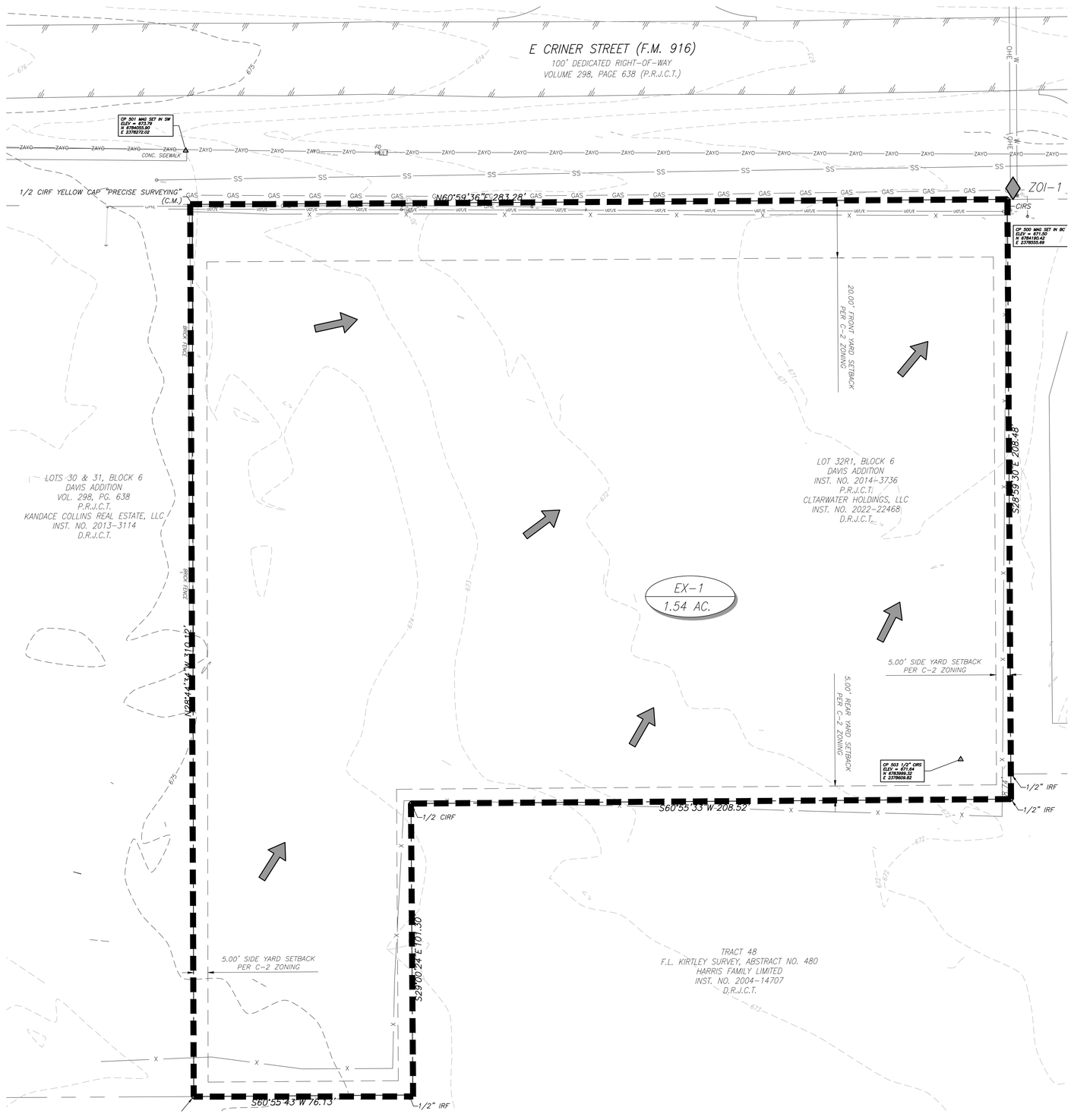


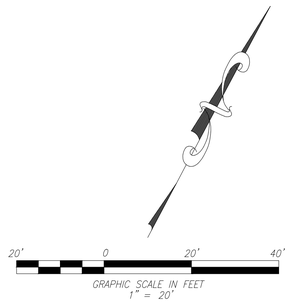


## SITE LEGEND

- PROPERTY LINE
- EASEMENT
- CURB AND GUTTER
- ASPHALT
- OHE — EXISTING OVERHEAD ELECTRIC
- UGE — EXISTING UNDERGROUND ELECTRIC
- SS — EXISTING SANITARY SEWER
- W — EXISTING WATER
- GAS — EXISTING GAS
- SD — EXISTING STORM SEWER
- 699 — EXISTING CONTOUR
- EXISTING DRAINAGE PATH
- EXISTING DRAINAGE AREA
- EXISTING FLOW ARROW
- ZOI-1 ZONE OF INFLUENCE
- EX-1 / 1.31 AC. — DRAINAGE AREA NAME / ACREAGE OF DRAINAGE AREA

## EXISTING DRAINAGE CALCULATIONS

| AREA NO. | ACRES | RUNOFF COEFF. | Ca | CCaA | TC (min) | I5 (in/hr) | Q5 (cfs) | Notes |
|---|---|---|---|---|---|---|---|---|
| EX-1 | 1.54 | 0.45 | 1.00 | 0.69 | 10 | 6.00 | 4.15 | DRAINS TO ZOI-1 |
| **Total** | **1.54** | | | | | | **4.15** | |

| AREA NO. | ACRES | RUNOFF COEFF. | Ca | CCaA | TC (min) | I10 (in/hr) | Q10 (cfs) | Notes |
|---|---|---|---|---|---|---|---|---|
| EX-1 | 1.54 | 0.45 | 1.00 | 0.69 | 10 | 6.60 | 4.56 | DRAINS TO ZOI-1 |
| **Total** | **1.54** | | | | | | **4.56** | |

| AREA NO. | ACRES | RUNOFF COEFF. | Ca | CCaA | TC (min) | I25 (in/hr) | Q25 (cfs) | Notes |
|---|---|---|---|---|---|---|---|---|
| EX-1 | 1.54 | 0.45 | 1.10 | 0.76 | 10 | 7.60 | 5.78 | DRAINS TO ZOI-1 |
| **Total** | **1.54** | | | | | | **5.78** | |

| AREA NO. | ACRES | RUNOFF COEFF. | Ca | CCaA | TC (min) | I50 (in/hr) | Q50 (cfs) | Notes |
|---|---|---|---|---|---|---|---|---|
| EX-1 | 1.54 | 0.45 | 1.20 | 0.83 | 10 | 8.40 | 6.97 | DRAINS TO ZOI-1 |
| **Total** | **1.54** | | | | | | **6.97** | |

| AREA NO. | ACRES | RUNOFF COEFF. | Ca | CCaA | TC (min) | I100 (in/hr) | Q100 (cfs) | Notes |
|---|---|---|---|---|---|---|---|---|
| EX-1 | 1.54 | 0.45 | 1.25 | 0.86 | 10 | 9.00 | 7.77 | DRAINS TO ZOI-1 |
| **Total** | **1.54** | | | | | | **7.77** | |

Texas 811 — Know what's below. Call before you dig.

### FLOOD PLAIN NOTE:

ACCORDING TO THE INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) "FLOOD INSURANCE RATE MAP" (FIRM), COMMUNITY PANEL NO. 48251C0350J, REVISED DECEMBER 04, 2012, NONE OF THIS PROPERTY APPEARS TO LIE WITHIN THE "SPECIAL FLOOD HAZARD AREA (SFHA) – AS DEFINED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, FEDERAL INSURANCE ADMINISTRATION, OR THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

NOTE:
CONTRACTOR TO CALL TEXAS 811 PRIOR TO ANY ON-SITE EXCAVATION. CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES, BOTH THOSE SHOWN AND NOT SHOWN ON THESE PLANS, PRIOR TO BEGINNING ANY CONSTRUCTION/EXCAVATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON A COMBINATION OF FIELD SURVEY DATA, UTILITY OWNER RECORD DRAWINGS.

| REVISIONS | | |
|---|---|---|
| # | REVISION | DATE |
| | | |

DEVELOPER/OWNER:
ROBERT TATE
2824 W. 7TH STREET,SUITE 100
FORT WORTH, TX 76107

# PRE-DEVELOPMENT DRAINAGE AREA MAP

1.535 ACRES COMMERCIAL DEVELOPMENT OUT OF THE DAVIS ADDITION
LOT 32R1, BLOCK 5
802 E. CRINER STREET
CITY OF GRANDVIEW
JOHNSON COUNTY, TEXAS

HANNA SURVEYING & ENGINEERING LLC.
HANNA SURVEYING AND ENGINEERING, LLC.
11729 E FM 917
ALVARADO, TX 76009
(682) 553-9474
ENGINEERING FIRM NUMBER F-22119
SURVEYING FIRM NUMBER 10194633
SAM@HANNA-SE.COM

STATE OF TEXAS
SAMUEL C. HANNA
109945
REGISTERED PROFESSIONAL ENGINEER
AUGUST 14, 2024

ISSUE DATE:
JUNE 14, 2024

PROJECT NO.:
23-788

SHEET NUMBER
C-3.0

4 OF 21

H:\2023\23-788 - 802 E Criner St Grandview\Drawings\C 3.0 - PRE-DEVELOPMENT DRAINAGE AREA MAP.dwg