

**BENCHMARK INFORMATION**

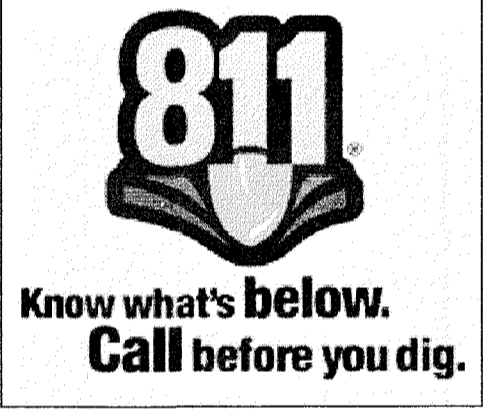
TBM #1: ELEV. = 552.63  
 "X" CUT LOCATED APPROXIMATELY 10 FEET EAST AND 37 FEET NORTH OF THE SOUTHEAST PROPERTY CORNER OF THE SUBJECT PROPERTY

TBM #2: ELEV. = 558.79  
 "X" CUT LOCATED APPROXIMATELY 16 FEET EAST AND 56 FEET SOUTH OF THE SOUTHWEST PROPERTY CORNER OF THE SUBJECT PROPERTY

**LEGEND**

○ AREA Q  
 --- DRAINAGE AREA LIMITS  
 - - - - - EXISTING CONTOURS  
 → DIRECTION OF STORMWATER FLOW

THE CONTRACTOR SHALL CONTACT DIG-TESS AT 1-800-344-8377 AND CITY SERVICE CENTER AT 972-772-7730 FOR LINE LOCATES A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES



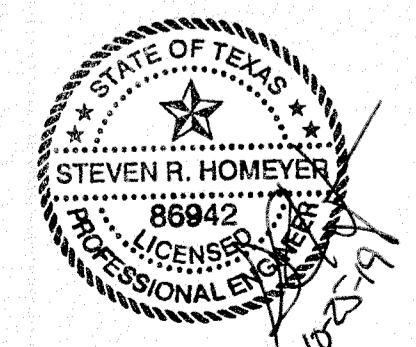
**EXISTING DRAINAGE CALCULATIONS**

DRAINAGE AREA	ACRES	"C"	Tc (min)	I5 (in/hr)	Q5 (cfs)	I10 (in/hr)	Q10 (cfs)	I25 (in/hr)	Q25 (cfs)	I50 (in/hr)	Q50 (cfs)	I100 (in/hr)	Q100 (cfs)	COMMENTS
E1	1.18	0.35	20	4.90	2.02	5.90	2.44	6.60	2.73	7.50	3.10	8.30	3.43	TO ALPHA DRIVE
E2	0.03	0.35	20	4.90	0.05	5.90	0.06	6.60	0.07	7.50	0.08	8.30	0.09	TO WEST PROPERTY
OS1	0.90	0.35	20	4.90	1.54	5.90	1.86	6.60	2.08	7.50	2.36	8.30	2.61	TO AREA E1
OS2	0.38	0.90	10	6.10	2.09	7.10	2.43	8.30	2.84	9.00	3.08	9.80	3.35	TO AREA E1
<b>TOTAL</b>	<b>2.49</b>				<b>5.70</b>		<b>6.79</b>		<b>7.71</b>		<b>8.62</b>		<b>9.48</b>	

**RECORD DRAWING**

The record drawing herein reflects to the best of the design engineer's knowledge, the approximate location of the constructed improvements using information based on surveying at the site and information provided by the contractor.

Steven R. Homeyer, P.E. #86942  
 Date 7-20-20



CASE NO. SP2019-017

**HOMEYER ENGINEERING, INC.**  
 ENGINEERING, INC.  
 TBP# FIRM REGISTRATION NO. F-8440  
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CANINE AND CO. RESORT  
 1.21 ACRES  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

EXISTING DRAINAGE AREA MAP

DRAWN: JAN  
 DATE: 09/28/2018  
 HEI #: 18-140  
 SHEET NO: C6