

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 NUMBER Q100

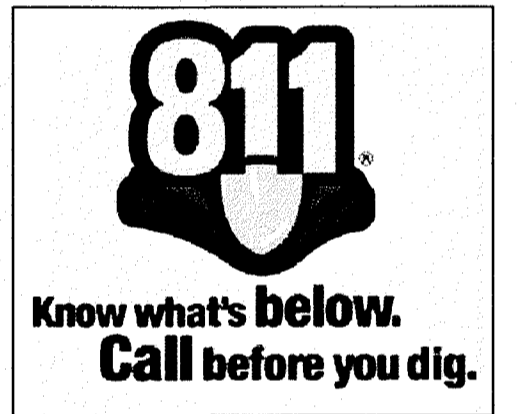
--- DRAINAGE AREA LIMITS

---xxx--- EXISTING CONTOURS

---xxx--- PROPOSED 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



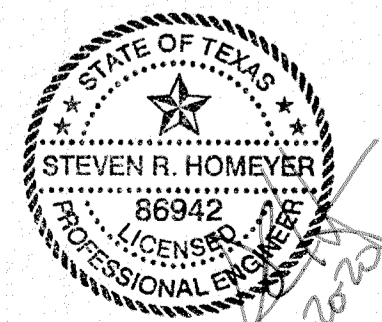
PROPOSED DRAINAGE CALCULATIONS

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
P1	1.037	0.90	10	6.10	5.69	7.10	6.63	8.30	7.75	9.00	8.40	9.80	9.15	TO DETENTION POND
P2	0.030	0.90	10	6.10	0.16	7.10	0.19	8.30	0.22	9.00	0.24	9.80	0.26	TO WEST PROPERTY (BYPASS)
P3	0.140	0.90	10	6.10	0.77	7.10	0.89	8.30	1.05	9.00	1.13	9.80	1.23	TO ALPHA DRIVE (BYPASS)
P4	0.003	0.90	10	6.10	0.02	7.10	0.02	8.30	0.02	9.00	0.02	9.80	0.03	TO STORM PIPE (BYPASS)
OS1	0.900	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 P1
OS2	0.380	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 P1
TOTAL	2.49				10.27		12.02		13.96		15.24		16.64	

RECORD DRAWING

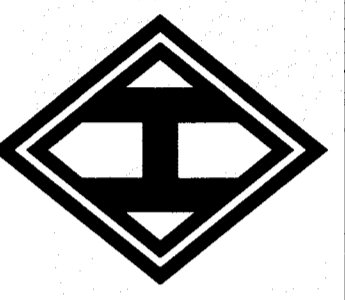
The record drawing herein reflects to the best of the design engineer's knowledge, the approximate location of the constructed improvements using information based on surveying at the site and information provided by the contractor.

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



CASE NO. SP2019-017

HOMEYER ENGINEERING, INC.
 T&PE FIRM REGISTRATION NO. FB440
 P.O. BOX 284527 • LEWISVILLE, TEXAS • 75029
 972-906-9985 • PHONE • 972-906-9987 FAX
 WWW.HEI.US.COM



CANINE AND CO. RESORT
 1.21 ACRES
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

PROPOSED DRAINAGE AREA MAP

REVISIONS
 07-20-20
 1. REVISED DETENTION POND ELEVATIONS

DRAWN: JAN
 DATE: 09/28/2018
 HEI #: 18-140

SHEET NO: C7