

THE CONTRACTOR SHALL CONTACT DIG-TESS AT 1-800-344-8377 A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES

**BENCHMARK INFORMATION**  
 TBM #1 - 1/2" CAPPED IRON ROD LOCATED WITHIN THE MEDIAN NOSE ON THE NORTH SIDE OF RALPH HALL PARKWAY AT FLAGSTONE CREEK BLVD. APPROXIMATELY 50 FEET NORTH OF THE MOST NORTHERLY CORNER OF THE SUBJECT PROPERTY.  
 ELEVATION = 546.28  
 ELEVATIONS SHOWN ARE BASED ON THE CITY OF ROCKWALL GIS NETWORK MONUMENT NUMBER R016.  
 ELEVATION = 558.72'

**NOTES:**

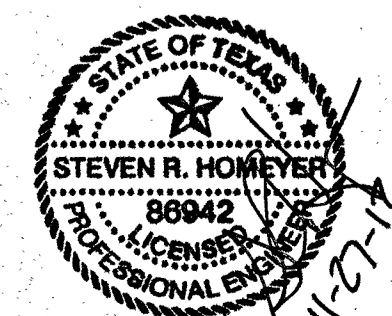
1. CITY OF ROCKWALL CONSTRUCTION STANDARDS & NCTCOG 3RD EDITION APPLY WHETHER INDICATED ON THESE PLANS OR NOT.
2. ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

**LEGEND**

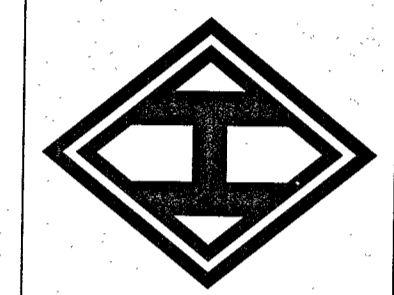
- (A) DRAINAGE AREA NUMBER
- (Q) Q100
- DRAINAGE AREA LIMITS
- - - - - EXISTING CONTOURS
- - - - - PROPOSED CONTOURS
- DIRECTION OF STORMWATER FLOW

EXISTING DRAINAGE CALCULATIONS												
DRAINAGE AREA	ACRES	"C"	Tc (min)	I <sub>s</sub> (in/hr)	I <sub>10</sub> (in/hr)	I <sub>25</sub> (in/hr)	I <sub>100</sub> (in/hr)	Q <sub>5</sub> (cfs)	Q <sub>10</sub> (cfs)	Q <sub>25</sub> (cfs)	Q <sub>100</sub> (cfs)	COMMENTS
E1	1.40	0.35	20	5.90	6.60	7.50	8.30	2.89	3.23	3.67	4.07	TO RALPH HALL PARKWAY
E2	2.08	0.35	20	5.90	6.60	7.50	8.30	4.30	4.80	5.46	6.04	TO EXISTING DROP INLET
E3	2.30	0.35	20	5.90	6.60	7.50	8.30	4.75	5.31	6.04	6.68	TO FLAGSTONE ESTATES
OS1	0.40	0.35	20	5.90	6.60	7.50	8.30	0.83	0.92	1.05	1.16	TO DRAINAGE AREA E1
OS2	1.32	0.35	20	5.90	6.60	7.50	8.30	2.73	3.05	3.47	3.83	TO FLAGSTONE ESTATES
OS3	0.28	0.35	20	5.90	6.60	7.50	8.30	0.58	0.65	0.74	0.81	TO MIMS ROAD R.O.W.
OS4	0.49	0.35	20	5.90	6.60	7.50	8.30	1.01	1.13	1.29	1.42	TO DRAINAGE AREA E3
<b>TOTAL</b>	<b>8.27</b>							<b>17.08</b>	<b>19.10</b>	<b>21.71</b>	<b>24.02</b>	

**RECORD DRAWING**  
 TO THE BEST OF OUR KNOWLEDGE, HOMEYER ENGINEERING, INC. HEREBY STATES THAT THIS PLAN IS A RECORD DRAWING. THE INFORMATION PROVIDED IS BASED ON ON-SITE SURVEYING, SITE OBSERVATIONS AND INFORMATION PROVIDED BY THE CONTRACTOR.  
 STEVEN R. HOMEYER, P.E. #86942  
 DATE: 12-2-13



**HOMEYER ENGINEERING, INC.**  
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ROCK RIDGE ASSISTED LIVING AND MEMORY CARE  
 LOT 1R, BLOCK A,  
 FLAGSTONE CORNERS  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

EXISTING DRAINAGE AREA MAP

DRAWN: SRH  
 DATE: 11/27/12  
 HEI #: 12-112  
 SHEET NO: C7.1