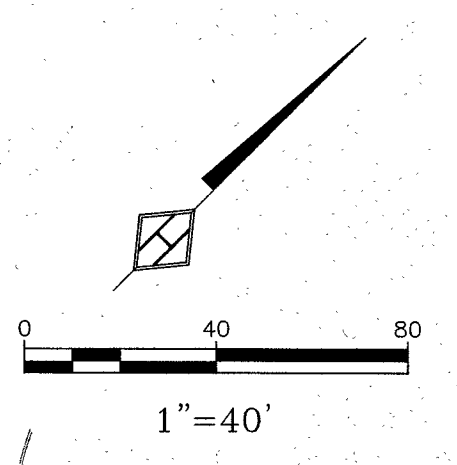
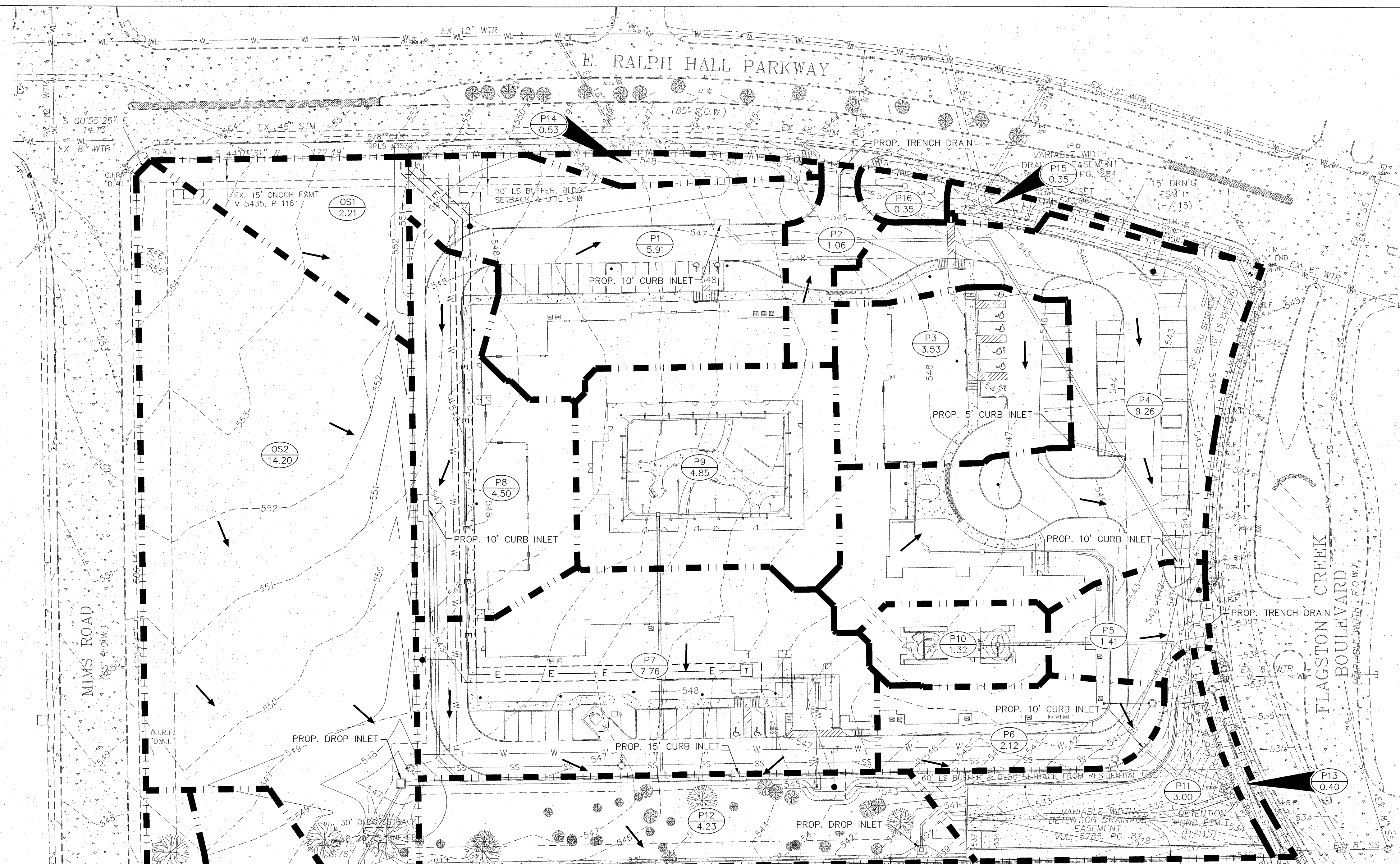


ROCK RIDGE ASSISTED LIVING
 AND MEMORY CARE
 LOT 1R, BLOCK A,
 FLAGSTONE CORNERS
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

PROPOSED DRAINAGE
 AREA MAP

REVISIONS:
 12/14/12
 1. DRIVEWAY & RAMPS
 REMOVED
 12/02/13
 1. REVISED DRAINAGE AREAS
 P4 & P15 TO REFLECT
 SIDEWALK REVISIONS.

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



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.

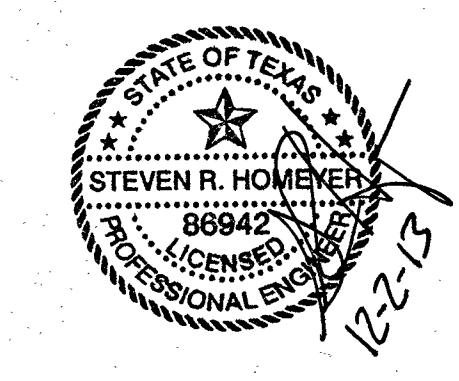
LEGEND

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

PROPOSED DRAINAGE CALCULATIONS

DRAINAGE AREA	ACRES	"c"	Tc (min)	I5 (in/hr)	I10 (in/hr)	I25 (in/hr)	I100 (in/hr)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)	COMMENTS
P1	0.67	0.90	10	6.20	7.19	8.22	9.80	3.74	4.34	4.96	5.91	TO PROP. CURB INLET
P2	0.12	0.90	10	6.20	7.19	8.22	9.80	0.67	0.78	0.89	1.06	TO PROP. TRENCH DRAIN
P3	0.40	0.90	10	6.20	7.19	8.22	9.80	2.23	2.59	2.96	3.53	TO PROP. CURB INLET
P4	1.05	0.90	10	6.20	7.19	8.22	9.80	5.86	6.79	7.77	9.26	TO PROP. CURB INLET
P5	0.16	0.90	10	6.20	7.19	8.22	9.80	0.89	1.04	1.18	1.41	TO PROP. TRENCH DRAIN
P6	0.24	0.90	10	6.20	7.19	8.22	9.80	1.34	1.55	1.78	2.12	TO PROP. CURB INLET
P7	0.88	0.90	10	6.20	7.19	8.22	9.80	4.91	5.69	6.51	7.76	TO PROP. CURB INLET
P8	0.51	0.90	10	6.20	7.19	8.22	9.80	2.85	3.30	3.77	4.50	TO PROP. CURB INLET
P9	0.55	0.90	10	6.20	7.19	8.22	9.80	3.07	3.56	4.07	4.85	COURTYARD DRAINAGE - LARGE.
P10	0.15	0.90	10	6.20	7.19	8.22	9.80	0.84	0.97	1.11	1.32	COURTYARD DRAINAGE - SMALL.
P11	0.34	0.90	10	6.20	7.19	8.22	9.80	1.90	2.20	2.52	3.00	TO PROP. DETENTION POND
P12	0.48	0.90	10	6.20	7.19	8.22	9.80	2.68	3.11	3.55	4.23	TO PROP. DROP INLET
P13	0.05	0.90	10	6.20	7.19	8.22	9.80	0.25	0.29	0.33	0.40	TO FLAGSTONE CREEK BLVD.
P14	0.06	0.90	10	6.20	7.19	8.22	9.80	0.33	0.39	0.44	0.53	TO RALPH HALL PARKWAY
P15	0.04	0.90	10	6.20	7.19	8.22	9.80	0.22	0.26	0.30	0.35	TO RALPH HALL PARKWAY
P16	0.04	0.90	10	6.20	7.19	8.22	9.80	0.22	0.26	0.30	0.35	TO PROP. GRATE INLET
OS1	0.25	0.90	10	6.20	7.19	8.22	9.80	1.40	1.62	1.85	2.21	TO DRAINAGE AREA P8
OS2	1.61	0.90	10	6.20	7.19	8.22	9.80	8.98	10.42	11.91	14.20	TO PROP. DROP INLET
OS3	0.20	0.90	10	6.20	7.19	8.22	9.80	1.10	1.28	1.46	1.75	TO MIMS ROAD R.O.W.
OS4	0.47	0.90	10	6.20	7.19	8.22	9.80	2.62	3.04	3.48	4.15	TO PROP. DROP INLET
TOTAL	8.26							46.11	53.47	61.13	72.88	

RECORD DRAWING
 TO THE BEST OF OUR KNOWLEDGE, HOMMEYER
 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. HOMMEYER, P.E. #86942
 DATE: 12-2-13



1. 12/14/12 1. DRIVEWAY & RAMPS REMOVED
 2. 12/02/13 1. REVISED DRAINAGE AREAS P4 & P15 TO REFLECT SIDEWALK REVISIONS.
 3. 12/2/13 1. REVISED DRAINAGE AREAS P4 & P15 TO REFLECT SIDEWALK REVISIONS.