N

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)
1 inch = 60 ft.

No.	Date	Revisions	App.

DRAINAGE AREA RUNOFF CALCULATIONS

DRAINAGE AREA NO.	AREA (ac)	C (coeff.)	tc (min)	I_{100} (in/hr)	Q_{100} (cfs)
*A-1	0.48	0.90	10	9.80	4.2
A-2	0.45	0.90	10	9.80	4.0
*A-3	0.68	0.90	10	9.80	6.0
A-4	0.28	0.90	10	9.80	2.5
B-1	0.40	0.90	10	9.80	3.5
B-2	0.18	0.90	10	9.80	1.6
+C-1	3.85	--	--	--	14.0
OS-1	2.38	0.90	10	9.80	21.0

*DRAINAGE AREAS A-1 & A-3 ARE BASED ON ULTIMATE BUILD-OUT OF PECAN VALLEY DRIVE.

+FLOW INFORMATION FOR DRAINAGE AREA C-1 IS BASED ON THE ARKOMA DEVELOPMENT SQUABBLE CREEK TRIBUTARY D DRAINAGE STUDY PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. DATED SEPTEMBER 5, 2007.

LEGEND

- DRAINAGE AREA DIVIDE
- PROPOSED STORM SEWER LINE & INLET
- EXISTING STORM SEWER LINE & INLET
- FLOW ARROWS
- A-1 — DRAINAGE AREA NUMBER
- 0.48ac — ACRES
- 4.2 — Q_{100}

BENCHMARKS

1. X-CUT IN CONCRETE LOCATED ON THE TOP OF CURB AT THE MID POINT OF A CURVE RETURN ON THE NORTH SIDE OF N. LAKESHORE DRIVE AT THE INTERSECTION WITH S.H. 205, 5' SOUTHEAST OF A POWER POLE. ELEVATION: 477.90'
2. ALUMINUM CAP FOUND IN CONCRETE LABELED, "FLOODWAY BOUNDARY" LOCATED ON THE SOUTHEAST SIDE OF N. LAKESHORE DRIVE, 72' SOUTHWEST FROM A PEDESTRIAN COLUMN ON SOUTHEAST END OF A BRIDGE, 2.3' EAST OF BACK OF CURB. ELEVATION: 470.06'
3. X-CUT IN CONCRETE LOCATED AT THE INTERSECTION OF THE EAST R.O.W. LINE OF RANDOM OAKS DRIVE AND THE NORTH R.O.W. LINE OF QUAIL RUN ROAD, 53' NORTHEAST OF A POWER POLE ON THE SOUTH SIDE OF QUAIL RUN ROAD. ELEVATION: 471.31'

RECORD DRAWING

THIS RECORD DRAWING HEREIN REFLECTS TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THE APPROXIMATE LOCATION OF THE CONSTRUCTED WORK, USING INFORMATION AS PROVIDED BY THE CONTRACTORS AND SURVEYED GRADES.

Kimley-Horn and Associates, Inc.
Tel. No. (972) 335-3580
Fax No. (972) 335-3779
5750 Genesis Court, Suite 200
Frisco, Texas 75034

STATE OF TEXAS
PIETER D. KESSELS
87775
LICENSED
PROFESSIONAL ENGINEER
02-27-2008

Pecan Valley Drive and Quail Run Road

City of Rockwall, Texas

DRAINAGE AREA MAP, STORM SEWER AND INLET DESIGN CALCULATIONS

Scale:	AS NOTED
Designed by:	T.B.B.
Drawn by:	J.J.D./B.B.P.
Checked by:	P.D.K.
Date:	Feb. 27, 2008
Project No.	068237002

SHEET C-9 OF 47

IMAGES:
XREF: X-2kb3c.PVD - XREF:XROW.PVD - XREF:XTopo.PVD - XREF:XXs Bath.PVD - XREF:XEc.SimSec.PVD - XREF:XRoad.PVD - XREF:XSimSec.PVD - XREF:XGrading.PVD - XREF:aerialtopo20090412 - XREF:xDamp-WG
PLOTTED BY: DONALDSON, JUSTIN 2/25/2008 5:45 PM
DWG NAME: C:\DATA\PECAN VALLEY\DEC 2\TB\PECAN-DAM ONSITE.DWG
LAST SAVED: 1/15/2008 1:37 PM