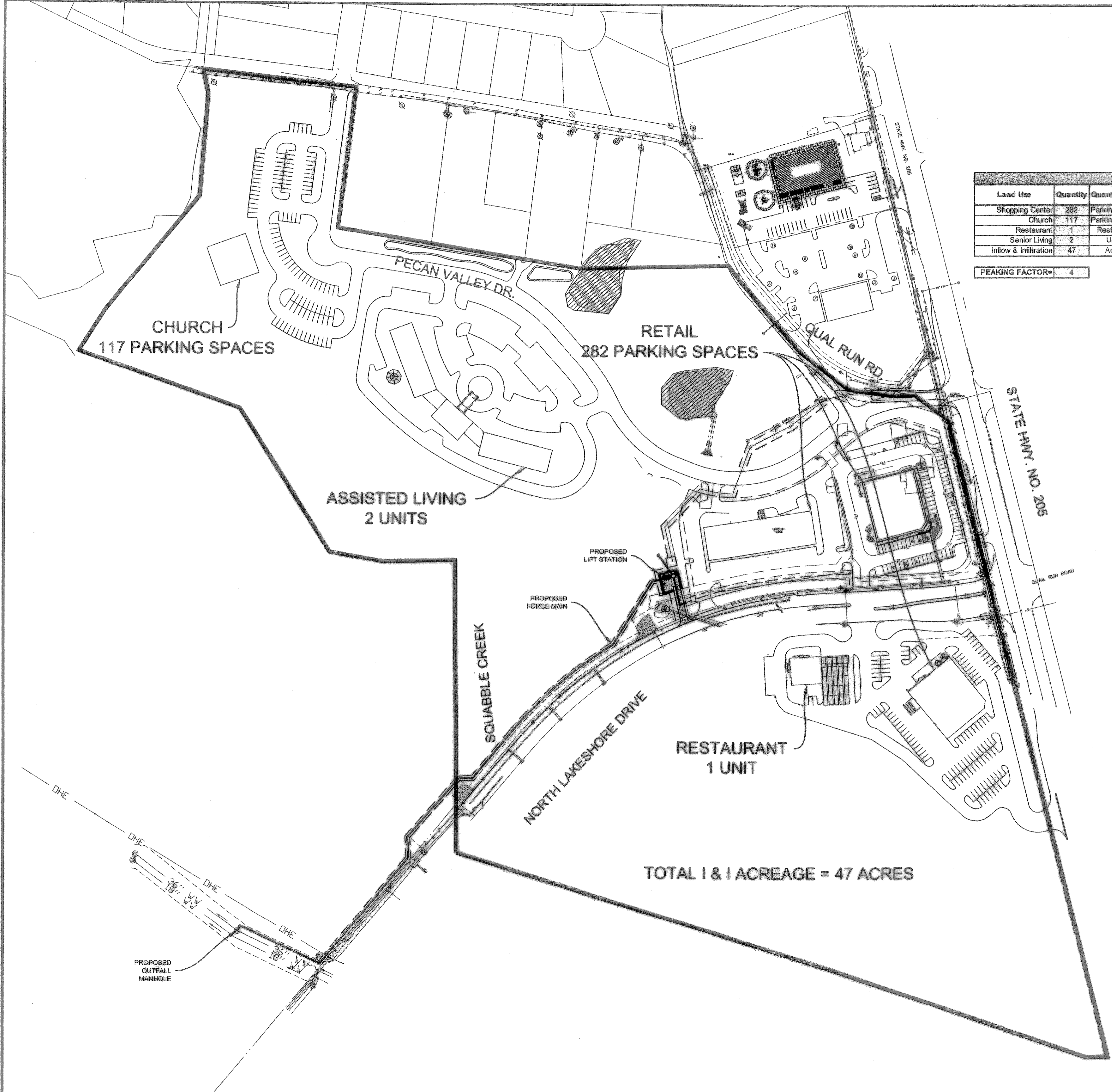


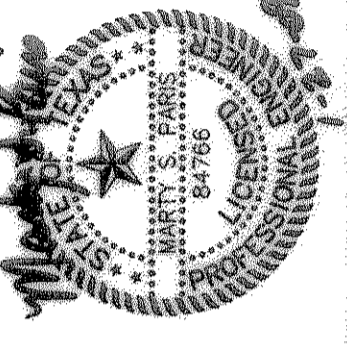
North Lakeshore Valley Sanitary Sewer Calculations

Land Use	Quantity	Quantity Unit	Design Flow	Design Flow Unit	Average Design Flow (MGD)	Average Design Flow (gpm)	Peak Design Flow (MGD)	Peak Design Flow (gpm)
Shopping Center	282	Parking Space	35	Gal/Parking Space/Day	0.00987	6.85	0.0385	27.42
Church	117	Parking Space	35	Gal/Parking Space/Day	0.00410	2.84	0.0164	11.38
Restaurant	1	Restaurant	4,000	Gal/Restaurant/Day	0.00400	2.73	0.0160	11.11
Senior Living	2	Units	9,000	Gal/Nursing Home/Day	0.01800	12.50	0.0720	50.00
Inflow & Infiltration	47	Acres	400	Gal/Acre/Day	-	-	0.0188	13.06
Total =					0.0360	24.98	0.1627	112.96

PEAKING FACTOR = 4



Kimley-Horn
and Associates, Inc.
12700 Park Central Drive, Suite 1800 Dallas, TX 75251 972-770-1300
By: DGL
Revision: No.



North Lakeshore Valley Lift Station
Rockwall, TX

SANITARY SEWER DRAINAGE AREA CALCULATIONS

DATE: JANUARY 2009
DESIGN: TJS
DRAWN: TJS
CHECKED: MSP
KHA NO: 068237002

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

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING. CHECK SCALE AND ADJUST ACCORDINGLY.
ONE INCH

