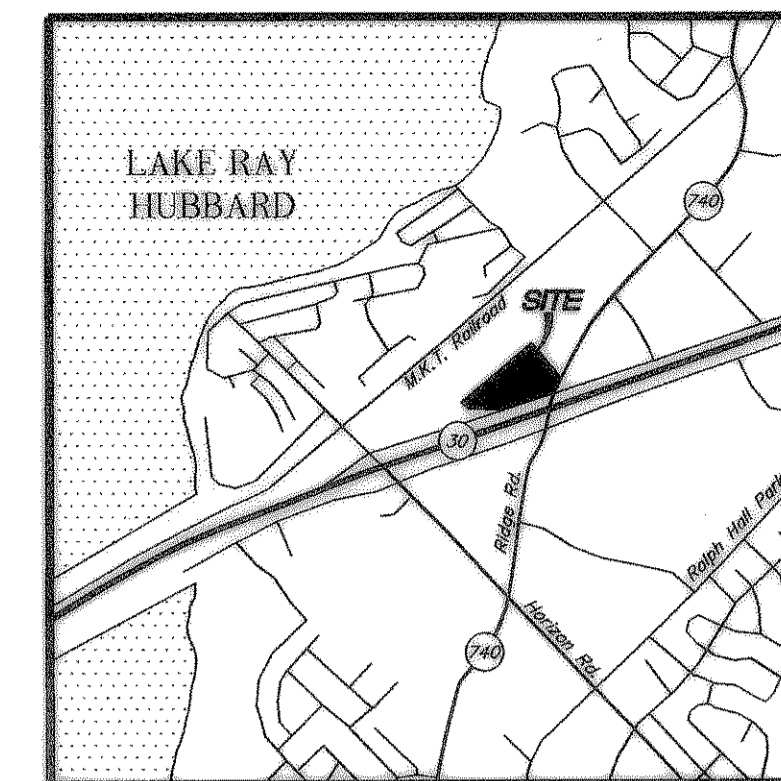




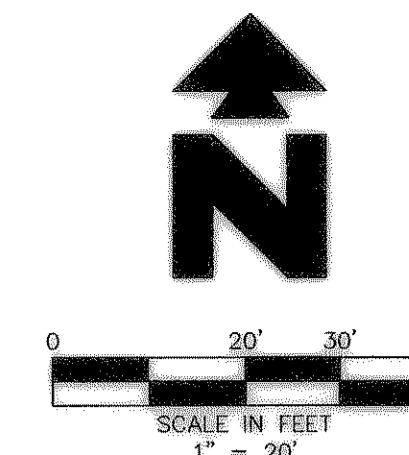
TEXAS EXCAVATION  
SAFETY SERVICES  
1-800-344-8377

La Jolla Pointe Addition  
Phase 2  
Lot 1, Block A  
174,545 Square Feet of 14.908 Acres  
Cabinet E, Slide 279  
P.R.R.C.T.

IHOP No. 9448 Addition  
Lot 1, Block I  
43,799 Square Feet or 1.006 Acres  
Cabinet 199, Slide 200  
P.R.R.C.T.



Vicinity Map  
Not to Scale



NOTE:  
SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE, SLOPED PAVING, TRUCK DOCKS, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

BENCH MARK: CONCRETE MONUMENT WITH BRASS CAP LOCATED AT THE SOUTHWEST INTERSECTION OF THE ROAD TO THE MARINA AND VILLAGE ROAD. BENCH MARK IS ONE FOOT WEST OF VILLAGE ROAD AND EIGHT FEET NORTHEAST OF AN EXISTING WYE INLET. AN ELEVATION = 506.0485

LEGEND

EXISTING

- CONCRETE
- EAST OR ELECTRIC
- EXISTING DRAINAGE
- EXISTING NORTH
- OVERHEAD
- SEWER OR SEWER
- TELEPHONE
- UNDERGROUND
- WEST OR WATER
- CONTROL MEASUREMENT
- PROPERTY LINE
- STORM DRAIN
- GAS
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND ELECTRIC AND TELEPHONE
- UNDERGROUND TV
- WATER
- BENCHMARK
- CHISELED CROSS
- CURB INLET
- DRAINAGE MANHOLE
- FIRE HYDRANT
- WAS METER
- WYE WIRE
- IRON ROD FOUND
- IRON ROD SET
- SEWER
- SEWER MANHOLE
- UTILITY POLE
- WATER VALVE

- A** DENOTES SUBDRAINAGE AREA
- 0.18** DRAINAGE AREA (ACRES)
- 1.57** DENOTES FLOW, CFS ("Q"-100 YR. STORM)

--- DRAINAGE DIVIDE LINE

\*FORMULA USED FOR FLOW RATE:\*

Q100=CIA: Rational Method  
Q100=100 Year Storm Event  
C=Runoff Coefficient  
Pervious Area (0.9 used)  
Impervious Area (0.9 used)  
i=100 Year Intensity  
i=9.8 in./hr. for a tc=10 minutes  
A=Acres

STORM WATER RUNOFF CALCULATIONS						
AREA NO.	AREA (ACRES)	TIME OF CONCENTRATION (MINUTES)	RUNOFF COEFFICIENT C	INTENSITY I 100 (IN/HR)	DESIGN FLOW, Q 100 (CFS)	COMMENTS
A	0.03	10	0.9	9.8	0.26	FLOWS OFF-SITE TO EXISTING HIGHWAY R.O.W.
B	0.03	10	0.9	9.8	0.26	FLOWS OFF-SITE TO EXISTING HIGHWAY R.O.W.
C	0.41	10	0.9	9.8	3.62	SHEET FLOW TO PROPOSED 5' CURB INLET
D	0.10	10	0.9	9.8	0.88	ROOF DRAINS
E	0.32	10	0.9	9.8	2.82	SHEET FLOW TO PROPOSED 5' CURB INLET
F	0.10	10	0.9	9.8	0.88	SHEET FLOW OFF-SITE TO BE PICKED UP BY ADJACENT DEVELOPMENT
G	0.29	10	0.9	9.8	2.56	SHEET FLOW TO PROPOSED 5' CURB INLET

INLET CALCULATIONS														
INLET NO.	LOCATION	DESIGN STORM FREQUENCY (YRS.)	TIME OF CONCENTRATION (MIN.)	INTENSITY "I" (IN/HR)	RUNOFF COEFFICIENT "C"	AREA "A" (ACRES)	"Q" (CFS)	CARRY OVER FROM UPSTREAM INLET (CFS)	GUTTER SLOPE (FT./FT.)	CROWN TYPE	SELECTED INLET		CARRY OVER TO DOWNSTREAM INLET (CFS)	
											LENGTH "L" (FT.)	CAPACITY (CFS)		
A-1	LINE "A"	100	10	9.8	0.9	0.29	2.56	0	SUMP	2%	5	C.I.	8.7*	0
A-2	LINE "A"	100	10	9.8	0.9	0.32	2.82	0	SUMP	2%	5	C.I.	8.7*	0
B-1	LINE "B"	100	10	9.8	0.9	0.41	3.62	0	SUMP	2%	5	C.I.	8.7*	0

\* CAPACITY CALCULATED ASSUMING  $\gamma_s = 0.4'$ . PER FIGURE 3.7 OF CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION

APPLICANT/ENGINEER:  
CEI ENGINEERING ASSOCIATES, INC.  
12300 FORD RD # 110  
DALLAS, TX 75234  
(972) 488-3737  
(972) 488-8732 FAX  
CONTACT: JEFF GREEN

DEVELOPER:  
STEAK 'N SHAKE, INC.  
500 CENTURY BUILDING  
36 S. PENNSYLVANIA ST.  
INDIANAPOLIS, IN 46204  
(317) 633-4100  
(317) 655-7317 FAX  
CONTACT: JAY KAMMEYER

AS BUILT

SHEET NO. C-9

FAMOUS FOR Steak 'n Shake STEAKBURGERS

ENGINEERING ASSOCIATES, INC.  
ENGINEERS PLANNERS SURVEYORS  
12300 FORD ROAD, SUITE 110  
DALLAS, TEXAS 75234  
JOB NO.: 19434.0  
DATE: 08/27/04  
PRELIM.

STATE OF TEXAS  
M. CHRISTOPHER ROGERS  
89618  
LICENSED PROFESSIONAL ENGINEER

REVISION NO.	DATE	COMMENTS
1	4-5-05	PER INITIAL CITY COMMENTS
2	5-10-05	PER SECOND CITY COMMENTS
3	8-2-05	ADDED LIGHT POLE LOCATIONS

DRAINAGE AREA MAP  
 STEAK 'N SHAKE  
 PROPOSED LOT 1 BLOCK A  
 STEAK 'N SHAKE ADDITION  
 INTERSTATE HIGHWAY 30, ROCKWALL, TEXAS