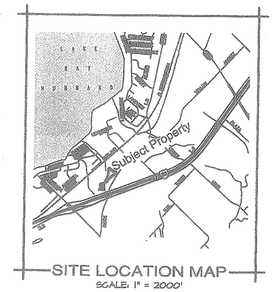
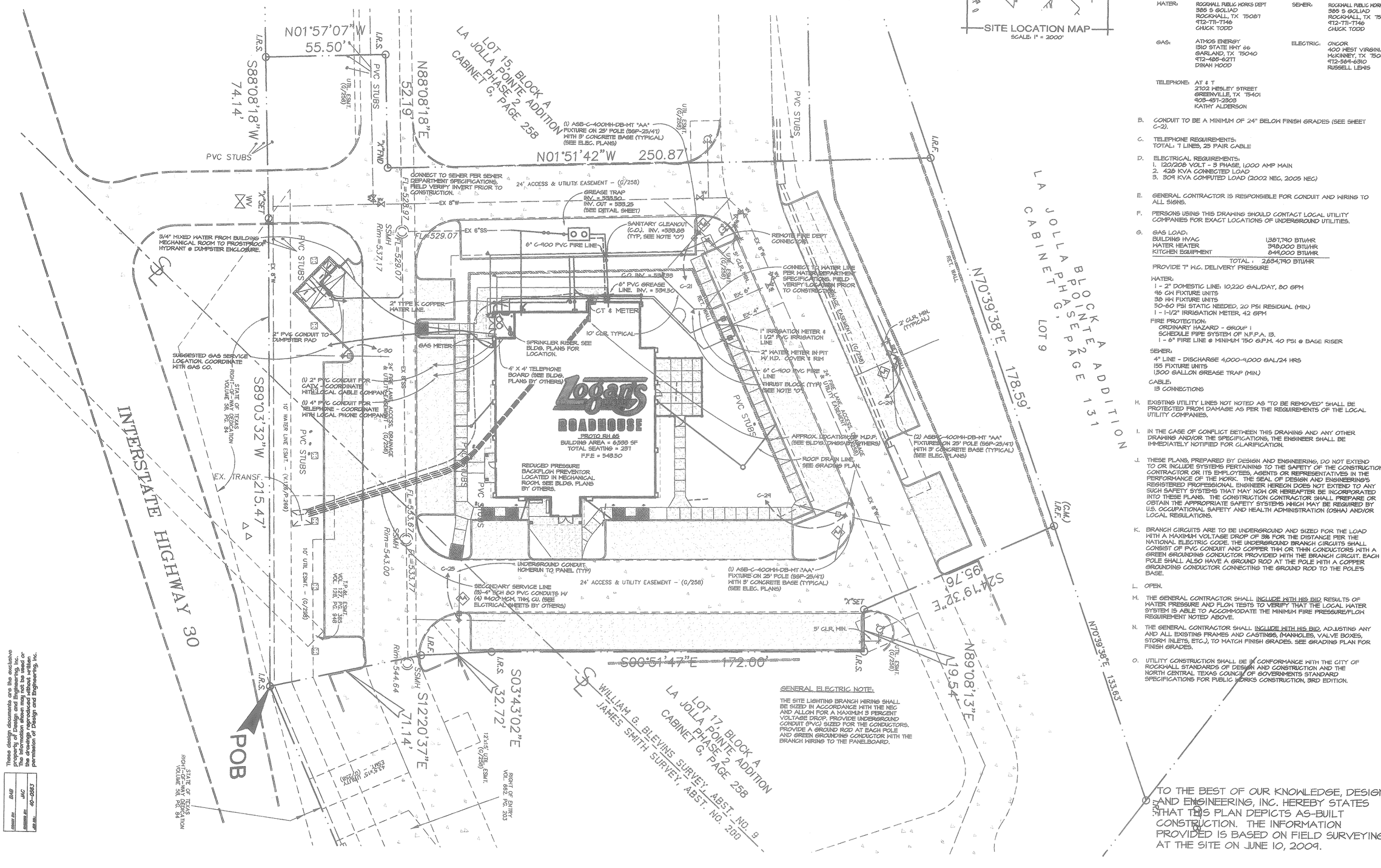
CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



SITE LOCATION MAP
SCALE: 1" = 2000'



GENERAL ELECTRIC NOTE:

THE SITE LIGHTING BRANCH WIRING SHALL BE SIZED IN ACCORDANCE WITH THE NEC AND ALLOW FOR A MAXIMUM 3 PERCENT VOLTAGE DROP. PROVIDE UNDERGROUND CONDUIT (PVC) SIZED FOR THE CONDUCTORS. PROVIDE A GROUND ROD AT EACH POLE AND GREEN GROUNDING CONDUCTOR WITH THE BRANCH WIRING TO THE PANELBOARD.

MAGNETIC

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NOTES

A. CONTACTS FOR:

WATER: ROCKWALL PUBLIC WORKS DEPT, 385 S GOLIAD, ROCKWALL, TX 75087, 972-771-7746, CHUCK TODD

SEWER: ROCKWALL PUBLIC WORKS DEPT, 385 S GOLIAD, ROCKWALL, TX 75087, 972-771-7746, CHUCK TODD

GAS: ATMOS ENERGY, 1510 STATE HWY 66, GARLAND, TX 75040, 972-485-6271, DINAH WOOD

ELECTRIC: ONCOR, 400 WEST VIRGINIA, MCKINNEY, TX 75069, 972-569-6310, RUSSELL LEWIS

TELEPHONE: AT & T, 2702 WESLEY STREET, GREENVILLE, TX 75401, 903-457-2308, KATHY ALDERSON

B. CONDUIT TO BE A MINIMUM OF 24" BELOW FINISH GRADES (SEE SHEET C-2).

C. TELEPHONE REQUIREMENTS:
TOTAL: 7 LINES, 25 PAIR CABLE

D. ELECTRICAL REQUIREMENTS:
1. 120/208 VOLT - 3 PHASE, 1000 AMP MAIN
2. 428 KVA CONNECTED LOAD
3. 309 KVA COMPUTED LOAD (2002 NEC, 2005 NEC)

E. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONDUIT AND WIRING TO ALL SIGNS.

F. PERSONS USING THIS DRAWING SHOULD CONTACT LOCAL UTILITY COMPANIES FOR EXACT LOCATIONS OF UNDERGROUND UTILITIES.

G. GAS LOAD:

BUILDING HVAC	1,387,790 BTU/HR
WATER HEATER	348,000 BTU/HR
KITCHEN EQUIPMENT	848,000 BTU/HR
TOTAL :	2,583,790 BTU/HR

PROVIDE 7" W.C. DELIVERY PRESSURE

WATER:
1 - 2" DOMESTIC LINE: 10,220 GAL/DAY, 80 GPM
96 CW FIXTURE UNITS
38 HW FIXTURE UNITS
50-60 PSI STATIC NEEDED, 20 PSI RESIDUAL (MIN.)
1 - 1-1/2" IRRIGATION METER, 42 GPM

FIRE PROTECTION:
ORDINARY HAZARD - GROUP I
SCHEDULE PIPE SYSTEM OF N.F.P.A. 13.
1 - 6" FIRE LINE @ MINIMUM 750 G.P.M. 40 PSI @ BASE RISER

SEWER:
4" LINE - DISCHARGE 4,000-9,000 GAL/24 HRS
155 FIXTURE UNITS
1,500 GALLON GREASE TRAP (MIN.)

CABLE:
13 CONNECTIONS

H. EXISTING UTILITY LINES NOT NOTED AS "TO BE REMOVED" SHALL BE PROTECTED FROM DAMAGE AS PER THE REQUIREMENTS OF THE LOCAL UTILITY COMPANIES.

I. IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.

J. THESE PLANS, PREPARED BY DESIGN AND ENGINEERING, DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR, OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF DESIGN AND ENGINEERING'S REGISTERED PROFESSIONAL ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.

K. BRANCH CIRCUITS ARE TO BE UNDERGROUND AND SIZED FOR THE LOAD WITH A MAXIMUM VOLTAGE DROP OF 3% FOR THE DISTANCE PER THE NATIONAL ELECTRIC CODE. THE UNDERGROUND BRANCH CIRCUITS SHALL CONSIST OF PVC CONDUIT AND COPPER THW OR THIN CONDUCTORS WITH A GREEN GROUNDING CONDUCTOR PROVIDED WITH THE BRANCH CIRCUIT. EACH POLE SHALL ALSO HAVE A GROUND ROD AT THE POLE WITH A COPPER GROUNDING CONDUCTOR CONNECTING THE GROUND ROD TO THE POLE'S BASE.

L. OPEN.

M. THE GENERAL CONTRACTOR SHALL INCLUDE WITH HIS BID RESULTS OF WATER PRESSURE AND FLOW TESTS TO VERIFY THAT THE LOCAL WATER SYSTEM IS ABLE TO ACCOMMODATE THE MINIMUM FIRE PRESSURE/FLOW REQUIREMENT NOTED ABOVE.

N. THE GENERAL CONTRACTOR SHALL INCLUDE WITH HIS BID ADJUSTING ANY AND ALL EXISTING FRAMES AND CASTINGS, (MANHOLES, VALVE BOXES, STORM INLETS, ETC.), TO MATCH FINISH GRADES. SEE GRADING PLAN FOR FINISH GRADES.

O. UTILITY CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION AND THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 3RD EDITION.

TO THE BEST OF OUR KNOWLEDGE, DESIGN AND ENGINEERING, INC. HEREBY STATES THAT THIS PLAN DEPICTS AS-BUILT CONSTRUCTION. THE INFORMATION PROVIDED IS BASED ON FIELD SURVEYING AT THE SITE ON JUNE 10, 2009.

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STATE OF TEXAS
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RECORD DRAWINGS

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Logan's ROADHOUSE

Location:
I-30 FRONTAGE ROAD
ROCKWALL, TEXAS

Job Number:
40-0563H

Revisions:
#1: 07-21-08
#2: 08-25-08
#3: 09-02-08
#4: 09-08-08
#5: 10-13-08 (CITY COMMENTS)
#6 03-05-09 (PER CLIENT)
#7 03-12-09 (PER ABC/FIRE)
#8 03-17-09 (PER CLIENT)
#9 07-10-09 (RECORD DWGS)

C-3

Site Utility Plan
July 10, 2008
PROTO RH65

DRAWN BY:	BAB
DESIGNED BY:	JAC
PROJECT NO:	40-0563

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