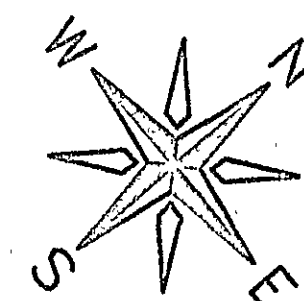


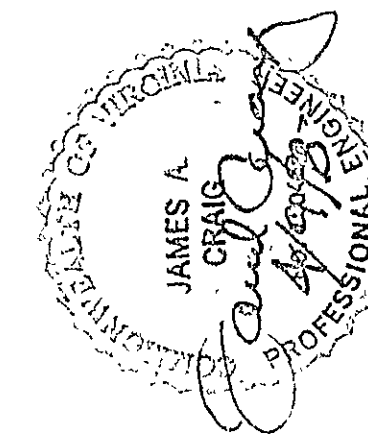
DESIGN BY: M. GUESS
CHECKED BY: J. CRAIG
DATE: 10-87E

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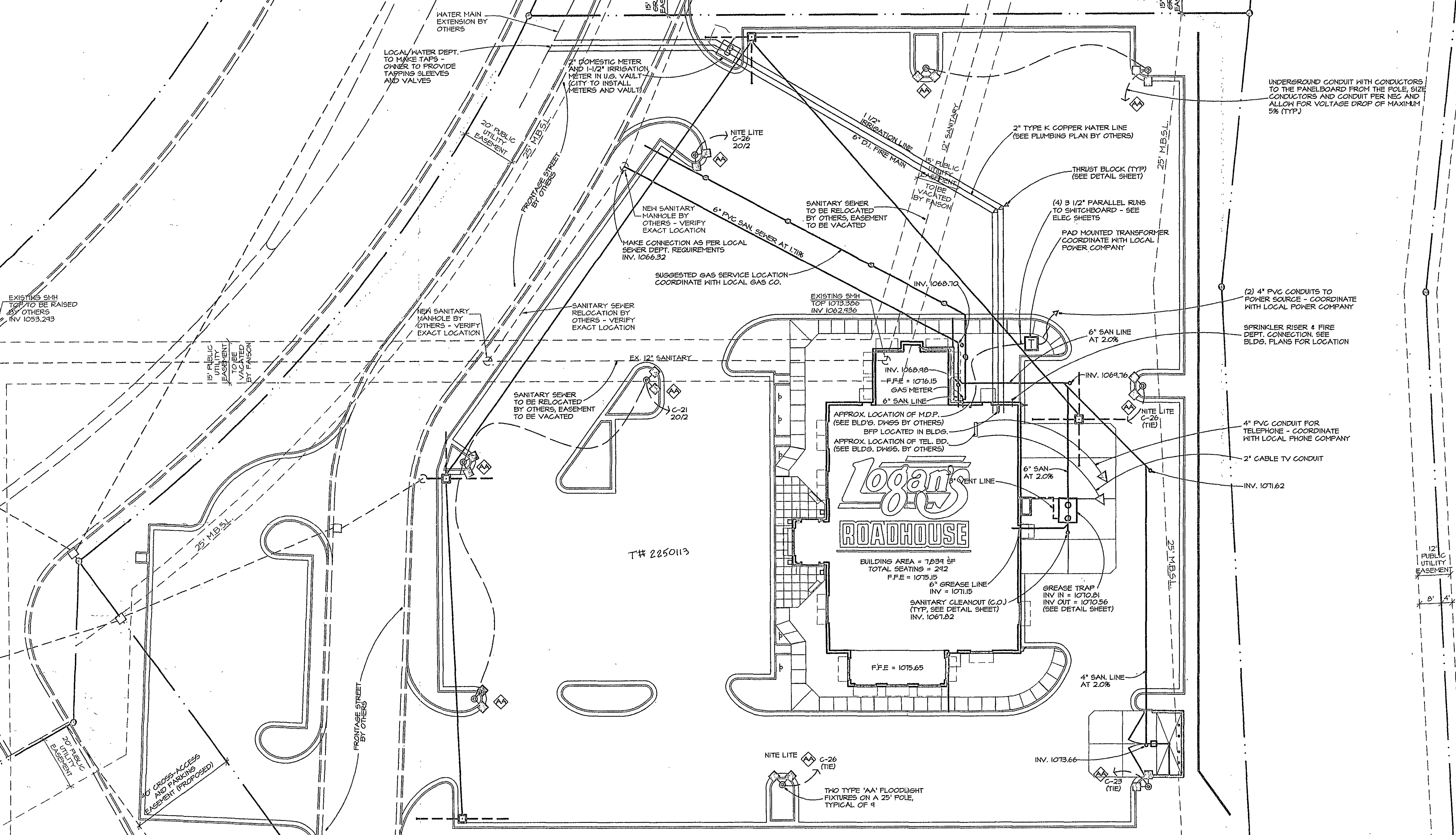


Comp. Development Plan for
Logan's Roadhouse
Valley View Boulevard / Valley View Crossing
Roanoke, Virginia

Revisions:
APRIL 7, 1998

C-3

Site Utility Plan
March 20, 1998



NOTES

A. CONTACTS FOR:

WATER:	ROANOKE WATER DEPARTMENT 541 LUCK AVE., SUITE 110 ROANOKE, VA 24016 JESSE PERDUE, JR. (840) 853-2601	SEWER:	ROANOKE UTILITY LINE SERVICE 3147 HOLLING ROAD ROANOKE, VA 24012 SAM HAYES (840) 853-2831
GAS:	ROANOKE GAS COMPANY 514 KIMBALL AVE., NE ROANOKE, VA 24016 RICK PEVARSKI (840) 983-3800	ELECTRIC:	AMERICAN ELECTRIC POWER 802 RIVER AVE., SE ROANOKE, VA 24014 RICHARD DOWNEY - MARK HOLDER (800) 936-4227, (840) 421-8636
TELEPHONE:	BELL ATLANTIC 4843 OAKLAND BLVD. ROANOKE, VA 24012 MIKE DAVIS (840) 954-6218		

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

C. TELEPHONE REQUIREMENTS:
1. TWO VOICE GRADE 1 FB "DIAL UP" BUSINESS LINE
2. TWO PUBLIC PAY TELEPHONE
3. ONE FACSIMILE LINE
4. ONE CREDIT CARD VERIFICATION LINE
5. ONE TELECHECK VERIFICATION LINE
TOTAL LINES - 7

D. ELECTRICAL REQUIREMENTS:
1. 120/208 VOLT - 3 PHASE, 1000 AMPS
2. MAX 395.4 KW CONNECTED LOAD.
3. 307.5 KW COMPUTED DEMAND

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.

GAS LOAD:	1,742,326 BTU/HR
BUILDING HVAC	399,490 BTU/HR
WATER HEATER	1,250,000 BTU/HR
KITCHEN EQUIPMENT	
TOTAL:	3,391,816 BTU/HR

WATER:
1 - 2" DOMESTIC LINE, 10,220 GALLONS PER 24 HOUR, 80 GPM
120 CM FUTURE UNITS
34 HW FUTURE UNITS
50-60 PSI STATIC NEEDED (MIN)
1 - 1/2" IRRIGATION METER, 42 GPM

FIRE PROTECTION:
ORDINARY HAZARD - GROUP I
SCHEDULE PIPE SYSTEM OF M.F.P.A. 13.
1 - 6" FIRE LINE @ MINIMUM 150 G.P.M. 40 PSIG @ BASE RISER

SEWER:
6" LINE - DISCHARGE 4,000 - 9,000 GAL/24 HRS
31 CM FUTURE UNITS
100 SS FUTURE UNITS
1500 GPM LCM GREASE TRAP

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.

L. THE SITE LIGHTING BRANCH WIRING SHALL BE SIZED IN ACCORDANCE WITH THE NEC AND ALLOW FOR A MAXIMUM OF 5 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.

Installed
1998
City of
Roanoke
Utility
Line
Services