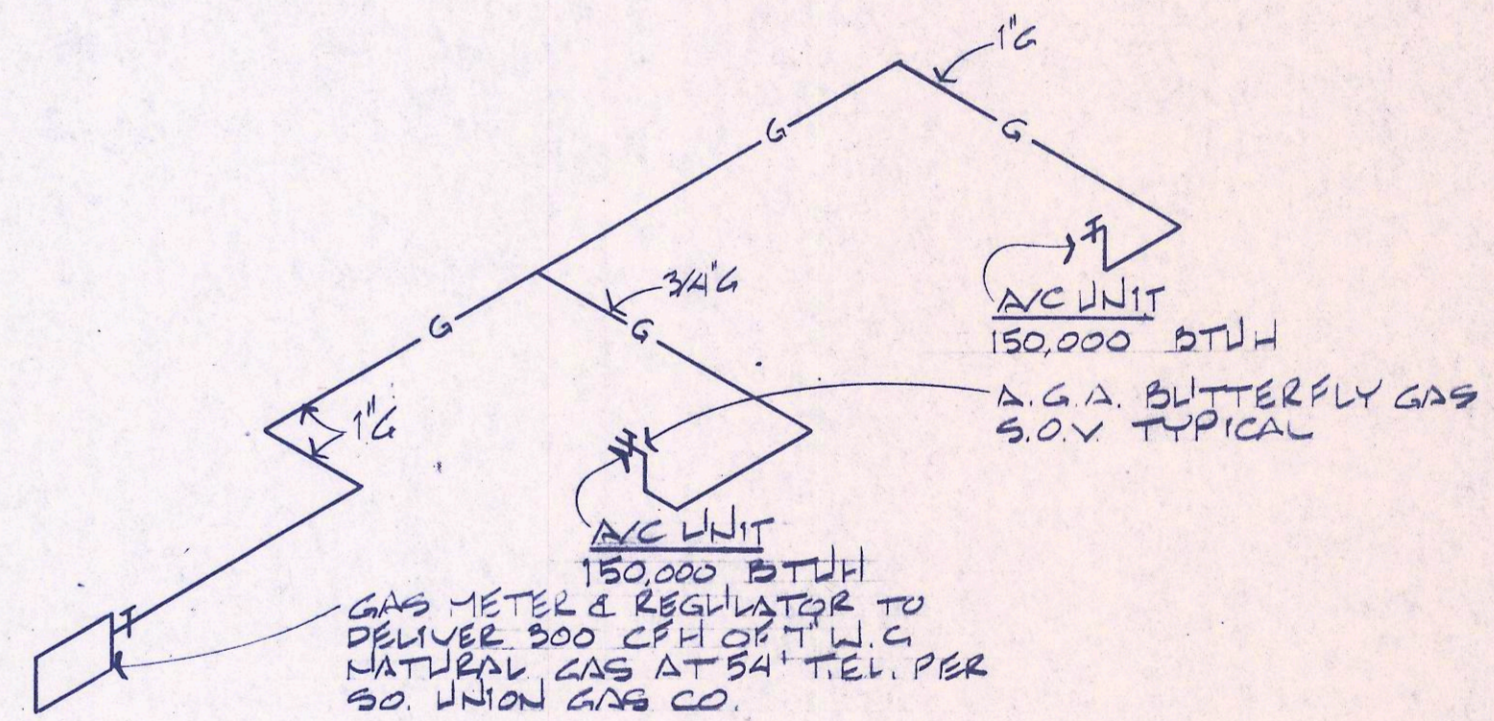
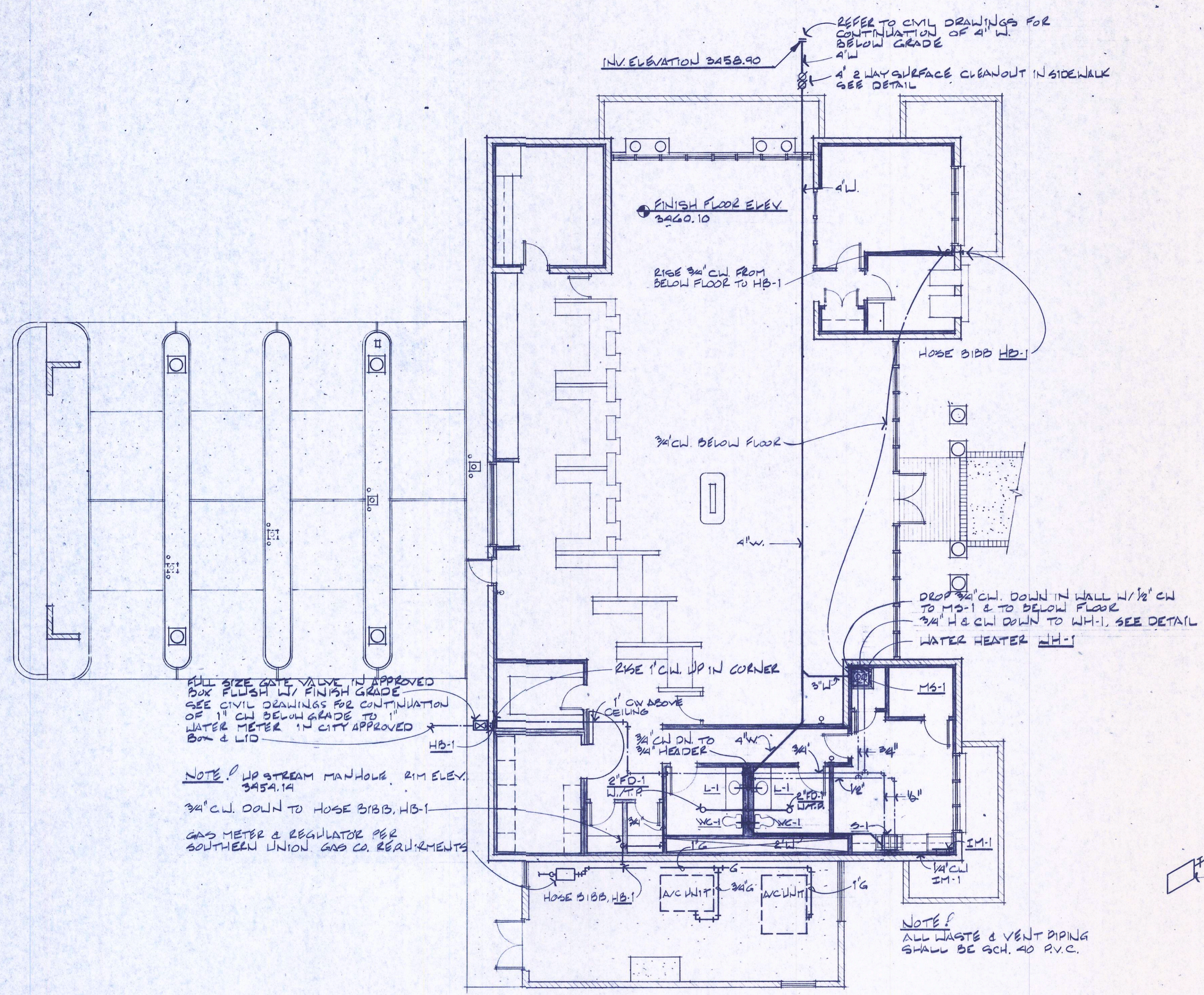




WATER CALCULATIONS

FIXTURES		
WATER CLOSETS (FT).....	(2) X 5 FU = 10 FU	
LAVATORY.....	(2) X 2 FU = 4 FU	
MOP SINK.....	(1) X 4 FU = 4 FU	
SINGLE COMP. SINK.....	(1) X 4 FU = 4 FU	
HOSE BIBB.....	(1) X 5 FU = 5 FU	
ICE MAKER.....	(1) X 1 FU = 1 FU	
TOTAL BUILDING FIXTURE UNITS.....	28 FU	
28 FIXTURE UNITS = 18 GALLONS PER MINUTE (GPM)		
WATER LIFT = 5 FEET (5 FT.) X 0.43 = 2.15 PSI STATIC LOSS		
HORIZ. PIPE LENGTH TAP TO METER.....	12 FEET	
HORIZ. PIPE LENGTH METER TO BUILDING.....	82 FEET	
HORIZ. PIPE LENGTH BUILDING TO LAST FIXTURE.....	96 FEET	
VERT. PIPE LENGTH BUILDING RISE TO HIGHEST FIXTURE.....	5 FEET	
TOTAL PIPE LENGTH.....	195 FEET	
(195 FEET) X 1.30 (FITTING LOSS) = 253 FEET TOTAL DEVELOPED LENGTH		
SIZE	DEVICE	PSI LOSS
1"	TAP	0.77
1"	METER	2.00
	STATIC	2.15
	FIXTURE	8.00
TOTAL BUILDING LOSS		12.92 PSI
STREET PRESSURE		68.00 PSI
BUILDING LOSS		12.92 PSI
DIFFERENCE		55.08 PSI
55.08 PSI / 253 FT. X 100 = 21.77 MAXIMUM PSI DROP ALLOWABLE PER 100 FT. PIPE LENGTH		
ALL PIPING SIZED FOR 10.00 PSI PER 100 FT. PIPE LENGTH.		



PLUMBING FLOOR PLAN
 SCALE 1/8"=1'-0"

NATURAL GAS RISER DIAGRAM
 NTS

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