GENERAL NOTES:

1. IF THIS SHEET IS NOT 24"X36" USE GRAPHIC SCALE ACCORDINGLY.

KEYED NOTES:

1. RUN NEW SERVICE LINE TO WITHIN 6" OF EXISTING MAIN
2. MINIMUM BELL HOLE AT BOTTOM OF TRENCH: 34" FROM CENTERLINE OF NEW PIPE ON EACH SIDE; 10" FROM EDGES ON BACK SIDE; 4" IN FRONT OF MAIN LENGTH OF BELL HOLE; 16" UNDER MAIN. TAPER OR STEP TRENCH TO MEET OSHA REQUIREMENTS.
3. LANL, STR WILL ENSURE MATERIALS REQUIRED FOR TIE-IN PLACE AT THE JOB SITE. SERVICE LINE HAS BEEN PRESSURE TESTED, AND BELL HOLE IS DUG PRIOR TO NOTIFYING MSS.
4. INSTALL CONTINUOUS NO SPLICING TRACER WIRE 9" ABOVE PIPE WITH NO DIRECT CONTACT TO PIPING. EXTEND 12" MINIMUM ABOVE GRADE AND SECURE TO PIPING WITH HOSE CLAMP.
5. LOCATE STUB-OUT FOR GAS REGULATOR 9" TO 12" FROM BUILDING. ENSURE PIPING IS STRAIGHT, LEVEL, AND PLUMB WITH BUILDING.
6. WHEN TIE-IN PIPING IS EQUAL TO OR EXCEEDS 1/2 OF MAIN DIAMETER, MAKE TIE-IN WITH FULL CIRCLE WELD CLAMP OR BY CUTTING IN A TEE.
7. LANL, STR INSPECTOR WILL NOTIFY MSS 15 DAYS IN ADVANCE TO SCHEDULE TIE-IN.
8. LANL, STR WILL NOTIFY UI-UMAP FOR TRACER WIRE CONTINUITY TESTING AND UTILITY DOCUMENTATION.

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. PROVIDE 1", 1 1/4", 2", OR 3" SERVICE LINES.
2. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE LANL ESM-CIVIL POC.
3. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
   3.1. ENGINEERING MANUAL, CIVIL CHAPTER.
   3.2. SPEC 31 2000, EARTH MOVING.
   3.3. SPEC 33 5100, NATURAL GAS DISTRIBUTION.
4. SPECIFY POLYETHYLENE PIPING FOR BRANCH PIPING TO BUILDING. USE OF COATED STEEL PIPING SHALL BE APPROVED BY LANL UTILITIES AND INSTITUTIONAL FACILITIES GROUP GAS SYSTEM REPRESENTATIVE.
5. SIZE SERVICE LINES IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE OR UNIFORM MECHANICAL CODE.
6. DESIGN PIPING CAPACITY FOR 60 PSIG GAS PRESSURE AND 100 PSIG MAXIMUM OPERATION PRESSURE.
7. PROVIDE TRACER WIRE IN ACCORDANCE WITH LANL ESM STANDARD DRAWING ST-G30GEN-3. TRACER WIRE DETAIL FOR NONMETALLIC PIPE ONLY.

GAS PIPING TIE-IN DETAIL

1. PROVIDE 1", 1 1/4", 2", OR 3" SERVICE LINES.
2. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE LANL ESM-CIVIL POC.
3. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
   3.1. ENGINEERING MANUAL, CIVIL CHAPTER.
   3.2. SPEC 31 2000, EARTH MOVING.
   3.3. SPEC 33 5100, NATURAL GAS DISTRIBUTION.
4. SPECIFY POLYETHYLENE PIPING FOR BRANCH PIPING TO BUILDING. USE OF COATED STEEL PIPING SHALL BE APPROVED BY LANL UTILITIES AND INSTITUTIONAL FACILITIES GROUP GAS SYSTEM REPRESENTATIVE.
5. SIZE SERVICE LINES IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE OR UNIFORM MECHANICAL CODE.
6. DESIGN PIPING CAPACITY FOR 60 PSIG GAS PRESSURE AND 100 PSIG MAXIMUM OPERATION PRESSURE.
7. PROVIDE TRACER WIRE IN ACCORDANCE WITH LANL ESM STANDARD DRAWING ST-G30GEN-3. TRACER WIRE DETAIL FOR NONMETALLIC PIPE ONLY.