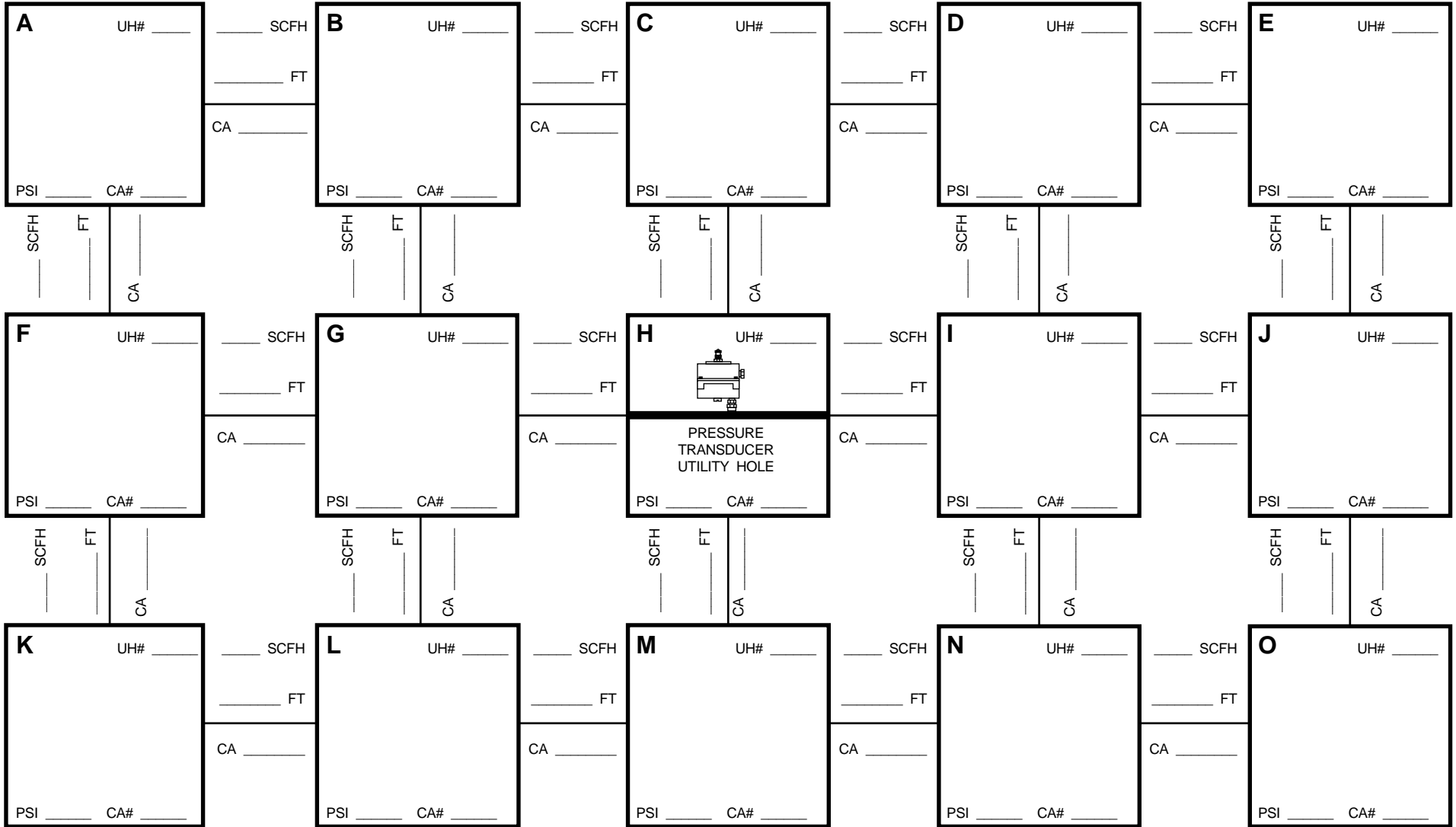


# Worksheet D

# Leak Locating in Dual Feed Cables

SINGLE FEED \_\_\_\_\_ DUAL FEED \_\_\_\_\_ DELIVERY PRESSURE \_\_\_\_\_



# Worksheet D

## Leak Locating in Dual Feed Cables

### Procedure:

- Step 1** Visit pressure transducer (Utility Hole H) to verify and record correct reading. Begin documentation in Utility Hole H. Check to make sure delivery pressure is above 7.5 PSI. This can be accomplished by reading pressure of pipe in pressure transducer (PTD) utility hole or on pipe pressure transducer printout.
- Step 2** Visit utility hole on either side of PTD location. Calculate flow through section. If pressure is dropping, continue in same direction. If pressure has leveled off or has increased, visit utility hole on other side of PTD utility hole. Calculate Zero Leak Projection in direction of leak.
- Step 3** Continue in direction of dropping pressure. Take pressure readings and record readings on laterals. Calculate air flow. The lateral consuming the majority of the calculated air flow is the one pulling the cable pressure down.
- Step 4** Enter all calculations, footages and cable size on diagram. All Air Flow Calculations and Zero Leak Projections should also be entered on worksheet.

### Equipment and Procedures Required:

- C Pressure Gauge
- Flow Gauge
- Portable Flow Rater (0-20 SCFH)
- Flow Direction Indicator
- Ultrasonic Leak Locator or Soap Bucket
- Calculator
- Pneumatic Resistance Charts
- Zero Leak Projection
- Air Flow Calculation
- Back Projection (Single Feed System Only)

### Review Checklist

Task Number: \_\_\_\_\_

- Found
- Not Found

Date: \_\_\_\_\_

Hours Worked: \_\_\_\_\_

Office: \_\_\_\_\_

Pipe Route: \_\_\_\_\_

Name: \_\_\_\_\_

### Cause of Problem:

- Leaking Closure
- Missing Plug
- Leaking Plug
- Leaking Valve
- Section Leak Leaking Hardware
- Other \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_