EXAMPLE OF PROPER DUCT ROUTING

DUCT STACKS SHALL LEAVE 10 FEET OF STRAIGHT DUCT PERPENDICULAR TO CORED ENTRANCE OF PULLBOX PRIOR TO BEGINNING SWEEP.

TYPICAL COMMUNICATIONS 3" X 5" PULLBOX

DUCT STACKS SHALL BE STRAIGHT FOR A MINIMUM OF 10 FEET WHEN ENTERING OR EXITING A PULLBOX.

10' - 1
35'

PRIOR TO TRENCH SLURRY FILLING:
1) INSURE PVC END BELL IS IN PLACE.
2) INSURE PULLBOX IS COMPLETELY SEALED.

PLAN VIEW

FOR PARTIAL SWEEP ANGLES, 20 FOOT SECTIONS SHALL BE USED TO PRODUCE THE DESIRED TOTAL BEND. HOWEVER, THE TOTAL SWEEP RADIUS SHALL BE DETERMINED BY THE MAXIMUM NATURAL BENDING CAPABILITY OF A 20 FOOT SECTION OF CONDUIT. PVC CONDUITS SHALL NOT BE HEATED TO PRODUCE A LARGER BEND. MANUFACTURER SUPPLIED BENDS SHALL BE USED AND CUT TO PRODUCE A LARGER BEND.

COMMON TRENCH CONTAINING DUCT STACKS

15 FOOT MINIMUM RADIUS IN ANY GIVEN SECTION OF THE 90 DEGREE DUCT SWEEP. DUCT SWEEPS SHALL BE ASSEMBLED FROM FACTORY PRODUCED 20 FOOT LENGTHS OF 4 INCH & 3 INCH CONDUIT. THE TOTAL SWEEP RADIUS SHALL BE DETERMINED BY THE MAXIMUM NATURAL BENDING CAPABILITY OF EACH 20 FOOT SECTION. PVC CONDUITS SHALL NOT BE HEATED TO PRODUCE A LARGER BEND. MANUFACTURER SUPPLIED BENDS SHALL BE USED AND CUT TO ACHIEVE FINAL BEND.

NOTES:

1. CONCRETE SLURRY IN TRENCH NOT SHOWN FOR CLARITY, CONTRACTOR SHALL SLURRY ALL TRENCHES.
2. TOP OF DUCT STACKS SHALL BE BURIED A MINIMUM OF 36 INCHES BELOW GRADE.
3. PRIOR TO FINAL ACCEPTANCE OF DUCT WORK INSURE MANDATORY TEST OF EACH DUCT HAS BEEN COMPLETED. REFER TO COMMUNICATIONS STANDARDS PARAGRAPH 4.4.3 THROUGH 4.4.5.

NOT TO SCALE

COMMUNICATIONS DUCT SWEEP & PULLBOX APPROACH - PLAN VIEW
CONSTRUCTION STANDARD - DRAWING 1 OF 2