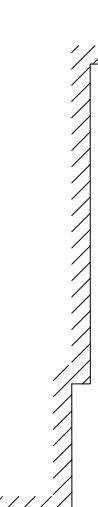


## NOTES:

\*\*ALL WORK SHALL BE IN ACCORDANCE WITH ARMY I3A TECHNICAL GUIDANCE\*\*

1. PROVIDE 2PVC-4" SCHEDULE 40 PVC CONCRETE ENCASED DUCT BANK FROM THE NEW BUILDING COMM ROOM TO A NEW MANHOLE (MH5-41A) BETWEEN BUILDINGS 2097 AND 2079. THE NEW MANHOLE SHALL INTERCEPT TWO EXISTING 4 INCH PVC DUCTS ONE DUCT HAS 4-1 INCH PVC SUBDUCTS WITHIN WHICH CARRY BOTH ACTIVE FIBER OPTIC AND COPPER CABLE SERVICES TO BUILDING 2079. THE CONTRACTOR SHALL COORDINATE A MINIMAL DISRUPTION WEEKEND SERVICE OUTAGE WITH THE CUSTOMER OF BUILDING 2079, THE ARMY COMMUNICATIONS CENTRAL OFFICE (CO) AND LOCAL NETWORK COMM CENTER, THE OUTAGE SHALL BE LIMITED TO A TOTAL OF 64 HOURS BEGINNING FRIDAY @ 16:00HRS ENDING MONDAY MORNING @ 08:00HRS. DURING THIS TIME THE CONTRACTOR SHALL REMOVE ACTIVE 12 STRANDS SINGLE MODE FIBER OPTIC CABLE AND 50 PAIR 24 AWG COPPER CABLE (PE-89), THEN, CUT AND SWEEP THE EXISTING DUCTS INTO THE NEW MANHOLE FROM BOTH DIRECTIONS AND PROVIDE NEW CABLING TO AND REINSTALL SERVICE TO BLDG 2079..
2. A NEW 3 CELL, 3 INCH FABRIC INNERDUCT SHALL BE PROVIDED THROUGH EXISTING DUCTS AND MANHOLES ALONG MONTGOMERY ROAD AND FROM NEW MH5-41A TO NEW FACILITY MAIN COMMUNICATIONS ROOM AND BLDG 2079 COMMUNICATIONS SERVICE ENTRANCE. AN ADDITIONAL PULL CORD SHALL BE PLACED ALONG SIDE THE FABRIC INNERDUCT. CONTRACTOR SHALL COORDINATE DUCT ASSIGNMENTS AND DISTRIBUTION. CONTRACTOR IS RESPONSIBLE FOR ALL TRANSFER WORK AND REESTABLISHING ACTIVE SERVICES.
3. NEW EXTERIOR COMMUNICATIONS SHALL CONSIST OF NEW INSTALL/SPlice/TEST 100 PAIR 24 AWG FILLED COPPER CABLE (PE-89) RUN FROM EXISTING MANHOLE 5-41 TO THE NEW MH5-41A. A NEW 50 PAIR 24 AWG FILLED COPPER CABLE (PE-89) SHALL RUN FROM THE NEW MH5-41A, THROUGH THE NEW 4" DUCT TO THE NEW BUILDING. AND A NEW 50 PAIR 24 AWG FILLED COPPER CABLE (PE-89) SHALL RUN FROM THE NEW MH5-41A, THROUGH THE EXISTING DUCT TO BUILDING 2079.
4. NEW 48 STRAND, SINGLE-MODE FIBER OPTIC CABLE WITH SERVICE LOOPS AND FUSION SPLICES SHALL BE PROVIDED FROM EXISTING MANHOLE 5-36 AT THE CORNER OF LUZON AND MONTGOMERY RD. TO MANHOLE 5-39.
5. NEW 24 STRAND, SINGLE-MODE FIBER OPTIC CABLE WITH SERVICE LOOPS AND FUSION SPliced SHALL BE PROVIDED FROM EXISTING MANHOLE 5-39 TO NEW MANHOLE 5-41.
6. NEW 12 STRAND, SINGLE-MODE FIBER OPTIC CABLE WITH SERVICE LOOPS AND FUSION SPliced SHALL BE PROVIDED FROM MANHOLE 5-41 THROUGH NEW MANHOLE 5-41A TO NEW FACILITY. A NEW 12 STRAND, SINGLE-MODE FIBER OPTIC CABLE WITH SERVICE LOOPS AND FUSION SPliced SHALL BE PROVIDED FROM MANHOLE 5-41 THROUGH NEW MANHOLE 5-41A TO BUILDING 2079. A NEW BUILDING ENTRANCE PROTECTOR (BEP) SHALL BE PROVIDED FOR THE NEW BUILDING COPPER CABLE, AND FIBER OPTIC PATCH PANELS CABINETS SHALL BE PROVIDED FOR THE NEW BUILDING FIBER CABLES WITH FUSION SPliced PIGTails; BOTH COPPER AND FIBER FUSION SPLICE/TERMINATIONS SHALL BE PROVIDED ON BOTH ENDS OF ALL CABLING.
7. COORDINATE CABLE COUNTS WITH SIGNAL BATTALION. VERIFY CABLE COUNTS TO AUTOMATION NODE (BLDG 3000) AND DISTRIBUTION NODE (BLDG 3407). COORDINATE DUCT ASSIGNMENTS IN EACH MANHOLE WITH SIGNAL BATTALION PRIOR TO PULLING IN CABLING. CONTRACTOR SHALL PRODUCE AND SUBMIT AS-BUILT AUTOCAD BUTTERFLY DIAGRAMS OF MANHOLES MH 5-41 AND 5-41A.
8. FOC SHALL MEET THE REQUIREMENTS OF I3A TABLE 6 CABLE CHARACTERISTICS.
9. REPLACE EXISTING FLEXIBLE DISTRIBUTION COAXIAL CABLE WITH NEW 625 TRUNK AND DISTRIBUTION COAXIAL CABLE PER GCI SPECIFICATIONS. CABLE INSTALLATION SHALL INCLUDE APPROXIMATELY 250' OF CABLING AND TWO SPLICES. COORDINATE WITH GCI, MR. DON SMITH 978-2262 FOR INSTALLATION SPECIFICATIONS, AND OUTAGE COORDINATION.



MATCH LINE SIDE "B"

