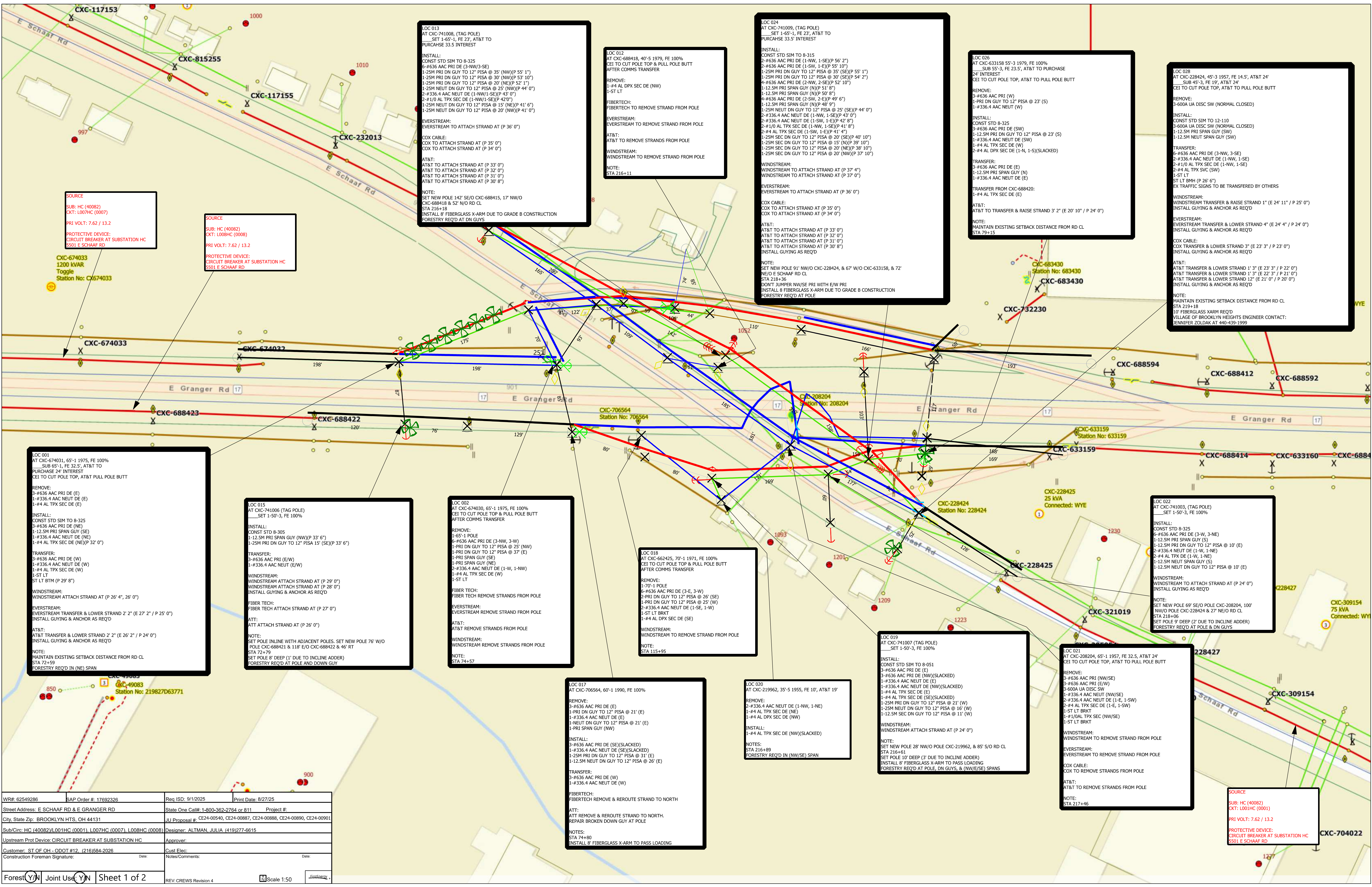




WR#: 62549286	SAP Order #: 17692326	Req ISD: 9/1/2025	Print Date: 8/27/25
Street Address: E SCHAAF RD & E GRANGER RD		State One Call#: 1-800-362-2764 or 811	Project #:
City, State Zip: BROOKLYN HTS, OH 44131		JU Proposal #:	CE24-00540, CE24-00887, CE24-00888, CE24-00890, CE24-00901
Sub/Circ: HC (40082)/L001HC (0001), L007HC (0007), L008HC (0008)		Designer: ALTMAN, JULIA	(419)277-6615
Upstream Prot Device: CIRCUIT BREAKER AT SUBSTATION HC		Approver:	
Customer: ST OF OH - ODOT #12 (216)584-2026		Cust Elec:	
Construction Foreman Signature:		Notes/Comments:	Date:
Forest (Y/N)	Joint Use (Y/N)	Sheet 1 of 2	
REV: CREWS Revision 4		Scale 1:50	Final Energy

LOC 013
AT CXC-741008, (TAG POLE)
SET 1-65'-1, FE 23', AT&T TO PURCHASE 33.5 INTEREST

INSTALL:
CONST STD SIM TO 8-325
6-#636 AAC PRI DE (3-NW/9-SE)
1-25M PRI DN GUY TO 12" PISA @ 35' (NW)(P 55' 1")
1-25M PRI DN GUY TO 12" PISA @ 30' (NW)(P 53' 10")
1-25M PRI DN GUY TO 12" PISA @ 20' (NE)(P 52' 1")
1-25M NEUT DN GUY TO 12" PISA @ 25' (NW)(P 44' 0")
2-#336.4 AAC NEUT DE (1-NW/1-SE)(P 43' 0")
2-#1/0 AL TPX SEC DE (1-NW/1-SE)(P 42' 0")
1-25M NEUT DN GUY TO 12" PISA @ 15' (NE)(P 41' 6")
1-25M NEUT DN GUY TO 12" PISA @ 20' (NW)(P 41' 0")

EVERSTREAM:
EVERSTREAM TO ATTACH STRAND AT (P 36' 0")

COX CABLE:
COX TO ATTACH STRAND AT (P 35' 0")
COX TO ATTACH STRAND AT (P 34' 0")

AT&T:
AT&T TO ATTACH STRAND AT (P 33' 0")
AT&T TO ATTACH STRAND AT (P 32' 0")
AT&T TO ATTACH STRAND AT (P 31' 0")
AT&T TO ATTACH STRAND AT (P 30' 8")

NOTE:
SET NEW POLE 142' SE/O CXC-688415, 17' NW/O CXC-688418 & 52' N/O RD CL
STA 216+18
INSTALL 8' FIBERGLASS X-ARM DUE TO GRADE B CONSTRUCTION
FORESTRY REQ'D AT DN GUYS

LOC 012
AT CXC-688418, 40'-5 1979, FE 100%
CEI TO CUT POLE TOP & PULL POLE BUTT AFTER COMMS TRANSFER

REMOVE:
1-#4 AL DPX SEC DE (NW)
1-ST LT

FIBERTECH:
FIBERTECH TO REMOVE STRAND FROM POLE

EVERSTREAM:
EVERSTREAM TO REMOVE STRAND FROM POLE

AT&T:
AT&T TO REMOVE STRANDS FROM POLE

WINDSTREAM:
WINDSTREAM TO REMOVE STRAND FROM POLE

NOTE:
STA 216+11

LOC 024
AT CXC-741009, (TAG POLE)
SET 1-65'-1, FE 23', AT&T TO PURCHASE 33.5 INTEREST

INSTALL:
CONST STD SIM TO 8-315
2-#636 AAC PRI DE (1-NW, 1-SE)(P 56' 2")
2-#636 AAC PRI DE (1-SW, 1-E)(P 55' 10")
1-25M PRI DN GUY TO 12" PISA @ 35' (SE)(P 55' 1")
1-25M PRI DN GUY TO 12" PISA @ 30' (SE)(P 54' 2")
4-#636 AAC PRI DE (2-NW, 2-SE)(P 52' 10")
1-12.5M PRI SPAN GUY (N)(P 51' 8")
1-12.5M PRI SPAN GUY (N)(P 50' 8")
4-#636 AAC PRI DE (2-SW, 2-E)(P 49' 6")
1-12.5M PRI SPAN GUY (N)(P 48' 9")
1-25M NEUT DN GUY TO 12" PISA @ 25' (SE)(P 44' 0")
2-#336.4 AAC NEUT DE (1-NW, 1-SE)(P 43' 0")
2-#1/0 AL TPX SEC DE (1-NW, 1-SE)(P 41' 8")
2-#4 AL TPX SEC DE (1-SW, 1-E)(P 41' 4")
1-25M SEC DN GUY TO 12" PISA @ 20' (SE)(P 40' 10")
1-25M SEC DN GUY TO 12" PISA @ 15' (N)(P 39' 10")
1-25M SEC DN GUY TO 12" PISA @ 20' (NE)(P 38' 10")
1-25M SEC DN GUY TO 12" PISA @ 20' (NW)(P 37' 10")

WINDSTREAM:
WINDSTREAM TO ATTACH STRAND AT (P 37' 4")
WINDSTREAM TO ATTACH STRAND AT (P 37' 0")

EVERSTREAM:
EVERSTREAM TO ATTACH STRAND AT (P 36' 0")

COX CABLE:
COX TO ATTACH STRAND AT (P 35' 0")
COX TO ATTACH STRAND AT (P 34' 0")

AT&T:
AT&T TO ATTACH STRAND AT (P 33' 0")
AT&T TO ATTACH STRAND AT (P 32' 0")
AT&T TO ATTACH STRAND AT (P 31' 0")
AT&T TO ATTACH STRAND AT (P 30' 8")
INSTALL GUYING AS REQ'D

NOTE:
SET NEW POLE 91' NW/O CXC-228424, & 67' W/O CXC-633158, & 72' NE/O E SCHAAF RD CL
STA 218+36
DON'T JUMPER NW/SE PRI WITH E/W PRI
INSTALL 8' FIBERGLASS X-ARM DUE TO GRADE B CONSTRUCTION
FORESTRY REQ'D AT POLE

LOC 026
AT CXC-633158 55'-3 1979, FE 100%
SUB 55'-3, FE 23.5', AT&T TO PURCHASE 24' INTEREST
CEI TO CUT POLE TOP, AT&T TO PULL POLE BUTT

REMOVE:
3-#636 AAC PRI (W)
1-PRI DN GUY TO 12" PISA @ 23' (S)
1-#336.4 AAC NEUT (W)

INSTALL:
CONST STD SIM TO 8-325
3-#636 AAC PRI DE (SW)
1-12.5M PRI DN GUY TO 12" PISA @ 23' (S)
1-#336.4 AAC NEUT DE (SW)
1-#4 AL TPX SEC DE (W)
2-#4 AL DPX SEC DE (1-N, 1-S)(SLACKED)

TRANSFER:
3-#636 AAC PRI DE (E)
1-12.5M PRI SPAN GUY (N)
1-#336.4 AAC NEUT DE (W)

AT&T:
AT&T TO TRANSFER & RAISE STRAND 3' 2" (E 20' 10" / P 24' 0")

NOTE:
MAINTAIN EXISTING SETBACK DISTANCE FROM RD CL
STA 79+15

LOC 028
AT CXC-228424, 45'-3 1957, FE 14.5', AT&T 24'
SUB 45'-3, FE 19', AT&T 24'
CEI TO CUT POLE TOP, AT&T TO PULL POLE BUTT

REMOVE:
3-#600A UIA DISC SW (NORMAL CLOSED)
1-#336.4 AAC NEUT (W)

INSTALL:
CONST STD SIM TO 12-110
3-#600A UIA DISC SW (NORMAL CLOSED)
1-12.5M PRI SPAN GUY (SW)
1-12.5M NEUT SPAN GUY (SW)

TRANSFER:
6-#636 AAC PRI DE (3-NW, 3-SE)
2-#336.4 AAC NEUT DE (1-NW, 1-SE)
2-#1/0 AL TPX SEC DE (1-NW, 1-SE)
2-#4 AL TPX SVC (SW)
1-ST LT
ST LT BMH (P 26' 6")
EX TRAFFIC SIGNS TO BE TRANSFERED BY OTHERS

WINDSTREAM:
WINDSTREAM TRANSFER & RAISE STRAND 1" (E 24' 11" / P 25' 0")
INSTALL GUYING & ANCHOR AS REQ'D

EVERSTREAM:
EVERSTREAM TRANSFER & LOWER STRAND 4" (E 24' 4" / P 24' 0")
INSTALL GUYING & ANCHOR AS REQ'D

COX CABLE:
COX TRANSFER & LOWER STRAND 3" (E 23' 3" / P 23' 0")
INSTALL GUYING & ANCHOR AS REQ'D

AT&T:
AT&T TRANSFER & LOWER STRAND 1' 3" (E 23' 3" / P 22' 0")
AT&T TRANSFER & LOWER STRAND 1' 3" (E 22' 3" / P 21' 0")
AT&T TRANSFER & LOWER STRAND 12" (E 21' 0" / P 20' 0")
INSTALL GUYING & ANCHOR AS REQ'D

NOTE:
MAINTAIN EXISTING SETBACK DISTANCE FROM RD CL
STA 219+18
10' FIBERGLASS XARM REQ'D
VILLAGE OF BROOKLYN HEIGHTS ENGINEER CONTACT:
JENNIFER ZOLDAK AT 440-439-1999

LOC 001
AT CXC-674031, 65'-1 1975, FE 100%
SUB 65'-1, FE 32.5', AT&T TO PURCHASE 24' INTEREST
CEI TO CUT POLE TOP, AT&T PULL POLE BUTT

REMOVE:
3-#636 AAC PRI DE (E)
1-#336.4 AAC NEUT DE (E)
1-#4 AL TPX SEC DE (E)

INSTALL:
CONST STD SIM TO 8-325
3-#636 AAC PRI DE (NE)
1-12.5M PRI SPAN GUY (SE)
1-#336.4 AAC NEUT DE (NE)
1-#4 AL TPX SEC DE (NE)(P 32' 0")

TRANSFER:
3-#636 AAC PRI DE (W)
1-#336.4 AAC NEUT DE (W)
1-#4 AL TPX SEC DE (W)
1-ST LT
ST LT BTM (P 29' 8")

WINDSTREAM:
WINDSTREAM ATTACH STRAND AT (P 26' 4", 26' 0")

EVERSTREAM:
EVERSTREAM TRANSFER & LOWER STRAND 2' 2" (E 27' 2" / P 25' 0")
INSTALL GUYING & ANCHOR AS REQ'D

AT&T:
AT&T TRANSFER & LOWER STRAND 2' 2" (E 26' 2" / P 24' 0")
INSTALL GUYING & ANCHOR AS REQ'D

NOTE:
MAINTAIN EXISTING SETBACK DISTANCE FROM RD CL
STA 72+59
FORESTRY REQ'D IN (NE) SPAN

LOC 015
AT CXC-741006 (TAG POLE)
SET 1-50'-3, FE 100%

INSTALL:
CONST STD 8-305
1-12.5M PRI SPAN GUY (NW)(P 33' 6")
1-25M PRI DN GUY TO 12" PISA 15' (SE)(P 33' 6")

TRANSFER:
3-#636 AAC PRI (E/W)
1-#336.4 AAC NEUT (E/W)

WINDSTREAM:
WINDSTREAM ATTACH STRAND AT (P 29' 0")
WINDSTREAM ATTACH STRAND AT (P 28' 0")
INSTALL GUYING & ANCHOR AS REQ'D

FIBER TECH:
FIBER TECH ATTACH STRAND AT (P 27' 0")

ATT:
ATT ATTACH STRAND AT (P 26' 0")

NOTE:
SET POLE INLINE WITH ADJACENT POLES. SET NEW POLE 76' W/O POLE CXC-688421 & 118' E/O CXC-688422 & 46' RT
STA 72+79
SET POLE 6' DEEP (1' DUE TO INCLINE ADDER)
FORESTRY REQ'D AT POLE AND DOWN GUY

LOC 002
AT CXC-674030, 65'-1 1975, FE 100%
CEI TO CUT POLE TOP & PULL POLE BUTT AFTER COMMS TRANSFER

REMOVE:
1-65'-1 POLE
6-#636 AAC PRI DE (3-NW, 3-W)
1-PRI DN GUY TO 12" PISA @ 25' (NW)
1-PRI DN GUY TO 12" PISA @ 37' (E)
1-PRI SPAN GUY (SE)
1-PRI SPAN GUY (NE)
2-#336.4 AAC NEUT DE (1-W, 1-NW)
1-#4 AL DPX SEC DE (W)
1-ST LT

FIBER TECH:
FIBER TECH REMOVE STRANDS FROM POLE

EVERSTREAM:
EVERSTREAM REMOVE STRAND FROM POLE

AT&T:
AT&T REMOVE STRANDS FROM POLE

WINDSTREAM:
WINDSTREAM REMOVE STRANDS FROM POLE

NOTE:
STA 74+57

LOC 018
AT CXC-662475, 70'-1 1971, FE 100%
CEI TO CUT POLE TOP & PULL POLE BUTT AFTER COMMS TRANSFER

REMOVE:
1-70'-1 POLE
6-#636 AAC PRI DE (3-E, 3-W)
2-PRI DN GUY TO 12" PISA @ 26' (SE)
1-PRI DN GUY TO 12" PISA @ 25' (W)
2-#336.4 AAC NEUT DE (1-SE, 1-W)
1-ST LT BRKT
1-#4 AL DPX SEC DE (SE)

WINDSTREAM:
WINDSTREAM TO REMOVE STRAND FROM POLE

NOTE:
STA 115+95

LOC 017
AT CXC-706564, 60'-1 1990, FE 100%

REMOVE:
3-#636 AAC PRI DE (E)
1-PRI DN GUY TO 12" PISA @ 21' (E)
1-#336.4 AAC NEUT DE (E)
1-NEUT DN GUY TO 12" PISA @ 21' (E)
1-PRI SPAN GUY (NW)

INSTALL:
3-#636 AAC PRI DE (SE)(SLACKED)
1-#336.4 AAC NEUT DE (SE)(SLACKED)
1-25M PRI DN GUY TO 12" PISA @ 31' (E)
1-12.5M NEUT DN GUY TO 12" PISA @ 26' (E)

TRANSFER:
3-#636 AAC PRI DE (W)
1-#336.4 AAC NEUT DE (W)

FIBERTECH:
FIBERTECH REMOVE & REROUTE STRAND TO NORTH

ATT:
ATT REMOVE & REROUTE STRAND TO NORTH.
REPAIR BROKEN DOWN GUY AT POLE

NOTES:
STA 74+80
INSTALL 8' FIBERGLASS X-ARM TO PASS LOADING

LOC 020
AT CXC-219962, 35'-5 1955, FE 10', AT&T 19'

REMOVE:
2-#336.4 AAC NEUT DE (1-NW, 1-NE)
1-#4 AL TPX SEC DE (NE)
1-#4 AL DPX SEC DE (NW)

INSTALL:
1-#4 AL TPX SEC DE (NW)(SLACKED)

NOTES:
STA 216+89
FORESTRY REQ'D IN (NW/SE) SPAN

LOC 019
AT CXC-741007 (TAG POLE)
SET 1-50'-3, FE 100%

INSTALL:
CONST STD SIM TO 8-051
3-#636 AAC PRI DE (E)
3-#636 AAC PRI DE (NW)(SLACKED)
1-#336.4 AAC NEUT DE (E)
1-#336.4 AAC NEUT DE (NW)(SLACKED)
1-#4 AL TPX SEC DE (E)
1-#4 AL TPX SEC DE (SE)(SLACKED)
1-25M PRI DN GUY TO 12" PISA @ 21' (W)
1-25M NEUT DN GUY TO 12" PISA @ 16' (W)
1-12.5M SEC DN GUY TO 12" PISA @ 11' (W)

WINDSTREAM:
WINDSTREAM ATTACH STRAND AT (P 24' 0")

NOTE:
SET NEW POLE 28' NW/O POLE CXC-219962, & 85' S/O RD CL
STA 216+61
SET POLE 10' DEEP (3' DUE TO INCLINE ADDER)
INSTALL 8' FIBERGLASS X-ARM TO PASS LOADING
FORESTRY REQ'D AT POLE, DN GUYS, & (NW/E/SE) SPANS

LOC 021
AT CXC-208204, 65'-1 1957, FE 32.5, AT&T 24'
CEI TO CUT POLE TOP, AT&T TO PULL POLE BUTT

REMOVE:
3-#636 AAC PRI (NW/SE)
3-#636 AAC PRI (E/W)
3-#600A UIA DISC SW
1-#336.4 AAC NEUT (NW/SE)
2-#336.4 AAC NEUT DE (1-E, 1-SW)
2-#4 AL TPX SEC DE (1-E, 1-SW)
1-ST LT BRKT
1-#1/0AL TPX SEC (NW/SE)
1-ST LT BRKT

WINDSTREAM:
WINDSTREAM TO REMOVE STRAND FROM POLE

EVERSTREAM:
EVERSTREAM TO REMOVE STRAND FROM POLE

COX CABLE:
COX TO REMOVE STRANDS FROM POLE

AT&T:
AT&T TO REMOVE STRANDS FROM POLE

NOTE:
STA 217+46

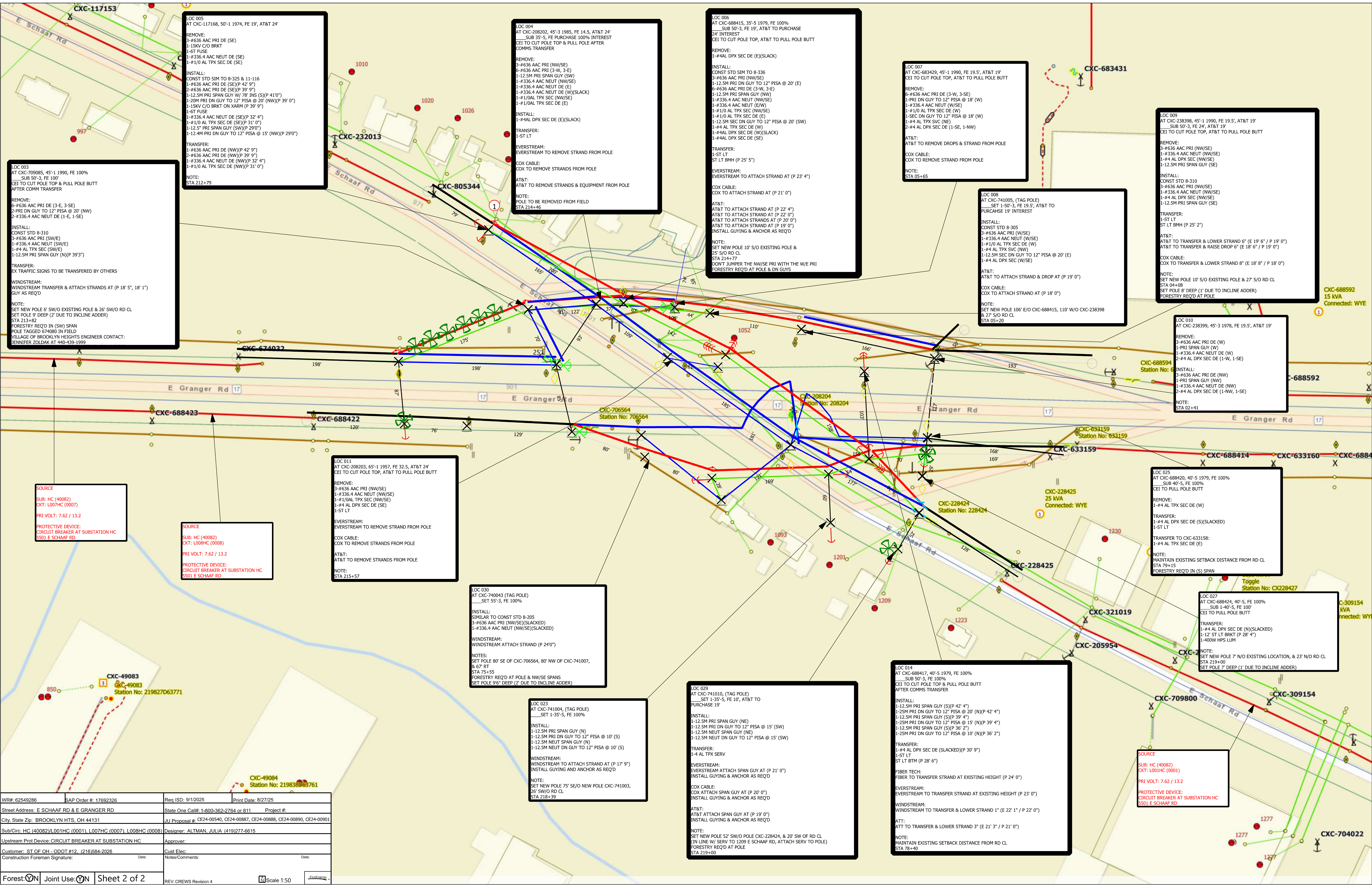
LOC 022
AT CXC-741003, (TAG POLE)
SET 1-50'-3, FE 100%

INSTALL:
CONST STD 8-325
6-#636 AAC PRI DE (3-W, 3-NE)
1-12.5M PRI SPAN GUY (S)
1-12.5M PRI DN GUY TO 12" PISA @ 10' (E)
2-#336.4 AAC NEUT DE (1-W, 1-NE)
2-#4 AL TPX DE (1-W, 1-NE)
1-12.5M NEUT SPAN GUY (S)

WINDSTREAM:
WINDSTREAM TO ATTACH STRAND AT (P 24' 0")
INSTALL GUYING AS REQ'D

NOTE:
SET NEW POLE 69' SE/O POLE CXC-208204, 100' NW/O POLE CXC-228424 & 27' NE/O RD CL
STA 218+06
SET POLE 9' DEEP (2' DUE TO INCLINE ADDER)
FORESTRY REQ'D AT POLE & DN GUYS

SOURCE
SUB: HC (40082)
CKT: L001HC (0001)
PRI VOLT: 7.62 / 13.2
PROTECTIVE DEVICE:
CIRCUIT BREAKER AT SUBSTATION HC
E501 E SCHAAF RD



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