TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-1

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

DRAWING INDEX:

SHEET NO.	TITLE
U2-1	DRAWING INDEX AND ESTIMATED UTILITY QUANTITIES
U2-2	NOTES AND LEGEND
U2-3	CONDUCTOR STRINGING NOTES
U2-3A	CONDUCTOR STRINGING NOTES
U2-3B	CONDUCTOR STRINGING NOTES
U2-4	ELECTRICAL RELOCATION PLAN: WESTERN AVE STA. 100+00 TO STA. 112+00
U2-5	ELECTRICAL RELOCATION PLAN: WESTERN AVE STA. 112+00 TO STA. 123+00
U2-6	ELECTRICAL RELOCATION PLAN: WESTERN AVE STA. 123+00 TO STA. 135+00
U2-7	ELECTRICAL RELOCATION PLAN: WESTERN AVE STA. 135+00 TO STA. 147+30
U2-8	ELECTRICAL RELOCATION PLAN: MYNDERSE AVE STA. 13+00 TO STA. 18+50
U2-9	ELECTRICAL RELOCATION PLAN: MASSACHUSETTS AVE STA. 203+00 TO STA. 213+24
U2-10	ELECTRICAL RELOCATION PLAN: KEITH AVE STA. 308+13 TO STA. 317+75
U2-11	POLE CONSTRUCTION NOTES
U2-12	POLE CONSTRUCTION NOTES
U2-13	POLE CONSTRUCTION NOTES
U2-14	161KV PROFILE
U2-15	161KV PROFILE
U2-16	161KV PROFILE
U2-17	161KV PROFILE
U2-18	ELECTRICAL RELOCATION: PLAN VIEW DETAIL 1
U2-19	STRUCTURE GUYING DETAILS
U2-20	STRUCTURE GUYING DETAILS
U2-21	STRUCTURE GUYING DETAILS

ESTIMATED UTILITY QUANTITIES:

ESTIMATED UTILITY QUANTITIES (FIBER OPTIC RELOCATION)

TDOT ITEM NO.	TDOT SHORT DESCRIPTION	UNITS	QUANTITY	KUB SHORT DESCRIPTION	TDOT FOOTNOTES
798-05.29	COMMUNICATION ASSEMBLY (CSC)	EA	15	ADSS-1	1
798-05.32	COMMUNICATION ASSEMBLY (DDE)	EA	8	ADSS-5	1
798-05.33	COMMUNICATION ASSEMBLY (DE)	EA	1	ADSS-6	1
798-05.40	COMMUNICATION ASSEMBLY (FOSS)	EA	3	FSB	1
798-06.13	FIBER OPTIC CABLE (24 PAIR AFL MINI SPAN 535)	LF	3601	24 PAIR ADSS FIBER	1
798-09.02	REMOVE AERIAL CABLE/TERMINALS	LF	3728		
798-09.03	REMOVE STRUCTURAL ASSEMBLIES	EA	40		

FOOTNOTES:
1. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, AND BONDING/GROUNDING.

UTILITY OWNER:

KNOXVILLE UTILITIES BOARD (KUB)
4505 MIDDLEBROOK PIKE
KNOXVILLE, TN 37950-9017
CONTACT: MR. DANIEL McELYEA
OFFICE PHONE: 865.558.2699
EMAIL: DANIEL.MCELYEA@KUB.ORG

ESTIMATED UTILITY QUANTITIES, CONT'D:

ESTIMATED UTILITY QUANTITIES (13KV ELECTRIC RELOCATION)

TDOT ITEM NO.	TDOT SHORT DESCRIPTION	UNITS	QUANTITY	KUB SHORT DESCRIPTION	TDOT FOOTNOTES
790-02.04	POLE 35FT CLASS 5 WOOD	EA	18	35'-5 WP	1
790-03.03	POLE 40FT CLASS 4 WOOD	EA	7	40'-4 WP	1
790-04.03	POLE 45FT CLASS 3 WOOD	EA	27	45'-4 WP	1
790-05.03	POLE 50FT CLASS 3 WOOD	EA	16	50'-3 WP	1
790-05.06	POLE 50FT CLASS 2 METAL	EA	3	50'-2 DI	1
790-06.03	POLE 55FT CLASS 3 WOOD	EA	8	55'-3 WP	1
790-06.06	POLE 55FT CLASS 2 METAL	EA	4	55'-2 DI	1
790-07.03	POLE 60FT CLASS 3 WOOD	EA	2	60'-3 WP	1
790-21.01	1Ø SGL PRIMARY SUPPORT 15KV	EA	12	S-1/0AR, SL-1/0AR	2
790-21.06	1Ø PRIMARY MED ANGLE 15KV	EA	2	LL-1/0AR	2
790-21.07	1Ø PRIMARY LG ANGLE 15KV	EA	3	DDE	2
790-21.08	1Ø DEADEND 15KV	EA	4	DE-NO/C	2
790-21.09	1Ø PRIMARY TAP 15KV	EA	10	DE-TAP, DE-STR	2
790-25.07	3Ø CROSSARM DBL LRG COND 15KV	EA	20	T2, T2A	2
790-25.08	3Ø CROSSARM SGL LRG COND 15KV	EA	19	T1	2
790-25.21	3Ø CROSSARM DEADEND SGL 15KV	EA	25	T1DE	2
790-25.24	3Ø CROSSARM DDE LRG COND 15KV	EA	15	T1DDE	2
790-30.03	SECONDARY ASSEMBLIES DEADEND	EA	210	1S, 1SDE, DXDE, QXDE, TXDE	
790-30.06	SECONDARY CONDUCTOR 6 AL DUPLEX	LF	2982	6 DUPLEX	
790-30.13	SECONDARY CONDUCTOR 2 AL TRIPLEX	LF	1413	2 TRIPLEX	
790-30.14	SECONDARY CONDUCTOR 1/0 AL TRIPLEX	LF	1220	1/0 TRIPLEX	
790-30.22	SECONDARY CONDUCTOR 1/0 AL QPLEX	LF	334	1/0 QUADRUPLEX	
790-30.25	SECONDARY CONDUCTOR 4/0 AL QPLEX	LF	180	4/0 QUADRUPLEX	
790-32.01	DOWN GUY - THROUGH BOLT TYPE	EA	24	DG-3/8"	3
790-32.02	DOWN GUY - THROUGH BOLT TYPE HEAVY DUTY	EA	88	DG-7/16"	3
790-32.07	OH GUY - THROUGH BOLT TYPE	EA	7	HG-3/8"	3
790-32.08	OH GUY - THROUGH BOLT TYPE HEAVY DUTY	EA	6	HG-7/16"	3
790-32.25	ANCHOR (10" DOUBLE HELIX)	EA	57	A-10DH	
790-32.25	ANCHOR (8" SINGLE HELIX)	EA	21	A-8SH	
790-40.03	OH COND 1/0 6/1 ACSR RAVEN	LF	10,423	1/0 AR PRIMARY	
790-40.39	OH COND 4/0 7 AAC OXLIP	LF	7,584	4/0 AAC PRIMARY	
790-40.49	OH COND 795 37 AAC ARBUTUS	LF	22,752	795 AAC PRIMARY	
790-46.02	1Ø TRANSFORMER CONV W/ POLE MTD FUSE & LA	EA	29	1TR	15KV AND 25KV. DOES NOT INCLUDE TRANSFORMER.
790-49.02	3Ø XFMR BANK POLE MTD W/ FUSE/ARRESTERS	EA	4	3TR	USE WITH ALL PLATFORM MOUNTED THREE PHASE INSTALLATIONS, ALL CONNECTIONS, ALL SECONDARY VOLTAGES, FUSES, AND ARRESTERS INCLUDED, 15 AND 25KV. INCLUDES ALL MISCELLANEOUS MATERIALS EXCEPT TRANSFORMERS.
790-58.03	CUTOUT KNIFE SWITCH, SNGL LOADBREAK 15KV	EA	2	SW/DISC	
790-58.06	GOAB SWITCH 15KV	EA	2	SW/GROUP	VERTICAL OR HORIZONTAL MOUNT, INCLUDES OPERATOR MECHANISM
790-58.09	3Ø FUSE CUTOUT BRKT MT 15KV	LF	6	3CO	
790-60.02	1Ø FUSE CUTOUT BRKT MOUNT 15KV	EA	9	1CO	
790-68.01	POLE GROUND ROD TYPE	EA	40	RODGND	
790-98.01	REMOVE WIRE	LF	52,614		INCLUDES DROP WIRE, OH GUYS, MAIN LINE WIRE
790-98.02	REMOVE POLES	EA	120		INCLUDES MAINLINE POLES, SERVICE POLES, STUB POLES
790-98.03	REMOVE FRAMING/ASSOCIATED APPARATUS	EA	687		INCLUDES CROSSARMS, TRANSFORMERS, SWITCHES, ETC.

FOOTNOTES:
1. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING, BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, DIGGING HOLE, FILLING HOLE, BLASTING, BUTT WRAP OR SINGLE GROUND ROD, MGNV, NUMBERING POLE.
2. ASSEMBLIES OF SIMILAR CONSTRUCTION BUT DIFFERING ONLY IN USE OF EPOXY VS. PORCELAIN INSULATORS OR FIBERGLASS VS. WOOD CROSSARMS OR LACK OF NEUTRAL ASSEMBLY SHOULD BE GROUPED WITHIN THE SAME ITEM.
3. INCLUDES LABOR TO INSTALL GUYGUARDS, FIBERGLASS INSULATOR LINKS, ETC.

ESTIMATED UTILITY QUANTITIES (161KV ELECTRIC RELOCATION)

TDOT ITEM NO.	TDOT SHORT DESCRIPTION	UNITS	QUANTITY	KUB SHORT DESCRIPTION	TDOT FOOTNOTES
790-06.06	POLE 55FT CLASS 2 METAL	EA	2	55'-2 DI, 55'-2 SP	1
790-09.05	POLE 70FT CLASS H2 METAL	EA	1	70'-H2 SP	1
790-14.05	POLE 95FT CLASS H2 METAL	EA	1	95'-H2 SP	1
790-14.06	POLE 95FT CLASS H3 METAL	EA	1	95'-H3 SP	1
790-14.07	POLE 95FT CLASS H4 METAL	EA	1	95'-H4 SP	1
790-15.01	POLE 100FT CLASS H4 METAL	EA	1	100'-H4 SP	1
790-20.01	POLE (100 FT CLASS H2 METAL)	EA	9	100'-H2 SP	1
790-20.02	POLE (105 FT CLASS H2 METAL)	EA	1	105'-H2 SP	1
790-20.03	POLE (110 FT CLASS H2 METAL)	EA	1	110'-H2 SP	1
790-32.03	DOWN GUY - THROUGH BOLT ST PL	EA	49	TDG-1F	2
790-32.08	OH GUY - THROUGH BOLT TYPE HEAVY DUTY	EA	4	TSG-1F	2
790-32.25	ANCHOR (10" DOUBLE HELIX)	EA	31	A-10DH	
790-40.49	OH COND 795 37 AAC ARBUTUS	LF	8034	795 AAC PRIMARY (161kV)	
790-40.76	OH STATIC COND (3/8" H.S. STEEL)	LF	2678	3/8" H.S. OHGW	
790-68.01	POLE GROUND ROD TYPE	EA	17	RODGND, TM-9R	
790-71.67	HORIZ POST TANGENT 161KV MAX	EA	4	TBP	
790-71.68	HORIZ POST SM ANG 161KV MAX	EA	8	RA, TBP-V	
790-71.69	VERTICAL DDE 161KV MAX	EA	4	TDDE-X	
790-98.01	REMOVE WIRE	LF	9472		INCLUDES DROP WIRE, OH GUYS, MAIN LINE WIRE
790-98.02	REMOVE POLES	EA	10		INCLUDES MAINLINE POLES, SERVICE POLES, STUB POLES
790-98.03	REMOVE FRAMING/ASSOCIATED APPARATUS	EA	25		INCLUDES CROSSARMS, TRANSFORMERS, SWITCHES, ETC.

FOOTNOTES:
1. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING, BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, DIGGING HOLE, FILLING HOLE, BLASTING, BUTT WRAP OR SINGLE GROUND ROD, MGNV, NUMBERING POLE.
2 INCLUDES LABOR TO INSTALL GUYGUARDS, FIBERGLASS INSULATOR LINKS, ETC.

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

DRAWING INDEX AND ESTIMATED UTILITY QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-2

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

GENERAL NOTES:

1. THE TOPOGRAPHIC & BOUNDARY DATA WAS TAKEN FROM A SURVEY RECEIVED FROM TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) ON JULY 20, 2015.
2. ALL CONTRACTOR INSTALLATIONS MUST BE INSPECTED BY KUB. CONTACT KUB ENGINEERING FIELD SERVICES (865.558.2786) AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
3. LOCATE EXISTING UTILITIES. CALL THE TENNESSEE ONE CALL SYSTEM, AT 1-800-351-1111.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO NOTIFY THEM OF WORK IN THE AREA AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY. NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
5. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY POTHOLING AND BY CONTACTING THE UTILITY COMPANIES INVOLVED.
6. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT REQUIRED TO WORK OVER AND AROUND THE UTILITIES.
7. TRENCH DESIGN AND SAFETY FOR UNDERGROUND CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
8. THE PROPOSED SITE LAYOUT SHOWN ON THESE DRAWINGS IS APPROXIMATE. REFER TO ROADWAY PLANS FOR ACTUAL DIMENSIONS. COORDINATE WITH ON-SITE SURVEYOR TO MARK PROPOSED FACILITIES, PROPOSED GRADE CHANGE, AND RIGHT-OF-WAY BEFORE SETTING POLES. ALL INSTALLATIONS SHALL BE LOCATED OUTSIDE OF PAVED AREAS UNLESS OTHERWISE NOTED.
9. TDOT WILL IMPLEMENT AND MAINTAIN TRAFFIC CONTROL AS SHOWN ON PLANS. THIS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO THE SAFETY OF THE TRAVELING PUBLIC. CONTRACTOR IS RESPONSIBLE FOR INCLUDING ANY ADDITIONAL TRAFFIC CONTROL DEEMED NECESSARY IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
10. EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDEC'S EROSION AND SEDIMENT CONTROL HANDBOOK. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. QUANTITIES SHOWN ON MATERIAL LISTS ARE NOT INTENDED TO BE CONTRACTUAL LIMITS. BIDDER SHALL EXAMINE JOB SITE, PLANS, SPECIFICATIONS, AND STANDARDS AND SHALL INCLUDE ALL INCIDENTAL MATERIALS AND QUANTITIES NEEDED FOR A COMPLETE INSTALLATION.

PROFILE NOTES:

1. 1-3/8" H.S. SHIELD WIRE. DESIGN TENSION AND RULING SPAN SHOWN ARE PER KUB DWG #D-13737. CONDUCTOR SHOWN AT 120°F, FINAL SAG.
2. 1-3/8" H.S. SHIELD WIRE. DESIGN TENSION AT 1/4" ICE, 4# WIND, 15°F + 0.2K, NESC M.L.Z. CONDUCTOR SHOWN AT 120°F, FINAL SAG.
3. 1-795 KCMIL AAC "ARBUTUS" PER PHASE (161 KV). DESIGN TENSION AND RULING SPAN SHOWN ARE PER KUB DWG #D-13737. CONDUCTOR SHOWN AT 212°F, FINAL SAG.
4. 1-795 KCMIL AAC "ARBUTUS" PER PHASE (161 KV). DESIGN TENSION AT 1/4" ICE, 4# WIND, 15°F + 0.2K, NESC M.L.Z. CONDUCTOR SHOWN AT 212°F, FINAL SAG.
5. 1-250 KCMIL 19 STRAND CU PER PHASE (13 KV). DESIGN TENSION AND RULING SPAN SHOWN ARE PER KUB DWG #D-13737. CONDUCTOR SHOWN AT 167°F, FINAL SAG.
6. 1-1590 KCMIL AAC "COREOPSIS" PER PHASE (13 KV). DESIGN TENSION AND RULING SPAN SHOWN ARE PER KUB DWG #D-13737. CONDUCTOR SHOWN AT 167°F, FINAL SAG.
7. 1-795 KCMIL AAC "ARBUTUS" PER PHASE (13 KV). DESIGN TENSION AT 1/4" ICE, 4# WIND, 15°F + 0.2K, NESC M.L.Z. CONDUCTOR SHOWN AT 167°F, FINAL SAG.
8. 1-4/0 AAC "OXLIP" NEUTRAL. DESIGN TENSION AND RULING SPAN SHOWN ARE PER KUB DWG #D-13737. CONDUCTOR SHOWN AT 120°F, FINAL SAG.
9. 1-4/0 AAC "OXLIP" NEUTRAL. DESIGN TENSION AT 1/4" ICE, 4# WIND, 15°F + 0.2K, NESC M.L.Z. CONDUCTOR SHOWN AT 120°F, FINAL SAG.
10. 1-24 PAIR ADSS FIBER "AFL MINISPAN 535 AE0249C80EA7". DESIGN TENSION AT 1/4" ICE, 4# WIND, 15°F + 0.2K, NESC M.L.Z. CONDUCTOR SHOWN AT 32°F WITH 1/4" ICE, FINAL SAG.
11. 1-24 PAIR ADSS FIBER "ALCOA FIBER AE0249C820DA7". DESIGN TENSION AND RULING SPAN SHOWN ARE PER KUB DWG #D-13737 CONDUCTOR SHOWN AT 32°F WITH 1/4" ICE, FINAL SAG.

ELECTRIC UTILITY NOTES:

1. WORK SHALL CONFORM TO NATIONAL, STATE, & LOCAL CODES AS WELL AS TO KNOXVILLE UTILITIES BOARD (KUB) STANDARD DRAWINGS, SPECIFICATIONS, & CONTRACT DOCUMENTS. WHERE A CONFLICT EXISTS BETWEEN APPLICABLE CODES, THE MOST CONSERVATIVE OR STRINGENT VERSION SHALL BE APPLIED.
2. CONTRACTOR SHALL OBTAIN LATEST COPY OF STANDARD DRAWINGS AND SPECIFICATIONS FROM KUB PRIOR TO PLACING MATERIAL ORDER OR BEGINNING WORK.
3. POLE NUMBERS REFERENCED ON PLANS ARE FOR LOCATION REFERENCE ONLY. CONTRACTOR TO LABEL EQUIPMENT PER CURRENT KUB SPECIFICATIONS. ANY BLANK NUMBERS (I.E., #_____) SHOWN ON PLANS WILL BE OBTAINED FROM KUB PROJECT REPRESENTATIVE. COORDINATE WITH KUB PROJECT MANAGER FOR FINAL POLE NUMBERS.
4. KUB WILL FURNISH ALL PROPOSED TRANSFORMERS. TRANSFORMERS THAT ARE REMOVED SHALL BE RETURNED TO KUB. ALL OTHER MATERIAL TO BE KEPT BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
5. KUB WILL PROVIDE TRANSFORMER INFORMATION SHEETS AND CONTRACTOR WILL BE REQUIRED TO COMPLETE AND RETURN A TRANSFORMER INFORMATION SHEET FOR EACH TRANSFORMER UNIT REMOVED AND INSTALLED ON THE PROJECT.
6. RE-ATTACH ALL TAP AND TRANSFORMER CONNECTIONS AS NEEDED TO MAINTAIN EXISTING PHASE CONNECTIONS. COORDINATE ANY NEW CONNECTIONS WITH KUB DISPATCH OR KUB PROJECT MANAGER.
7. STATION AND OFFSET MEASUREMENTS ARE FROM TDOT'S PROPOSED ROAD CENTERLINE TO CENTER OF POLE OR ANCHOR. COORDINATE WITH KUB REPRESENTATIVE IF PROPOSED STATIONING IS FOUND TO BE INCONSISTENT WITH OR IN CONFLICT WITH OTHER FACILITIES.
8. STATION AND OFFSET MEASUREMENTS ARE FOR GENERAL LOCATION REFERENCE. CONTRACTOR SHALL ADJUST TANGENT POLES AS NEEDED TO ELIMINATE UNNECESSARY LINE ANGLES.
9. SPAN LENGTHS ARE APPROXIMATE AND MEASURED FROM CENTER OF POLE TO CENTER OF POLE. SPAN LENGTHS MAY NOT BE EQUAL TO THE DIFFERENCE IN ROAD STATIONS BETWEEN POLES.
10. CONTRACTOR SHALL REFER TO LATEST KUB SAG & TENSION INFORMATION FOR INSTALLATION OF NEW CONDUCTORS EXCEPT FOR THOSE CONDUCTORS REPRESENTED ON PROFILE DRAWINGS. CONDUCTORS THAT ARE REPRESENTED ON PROFILE DRAWINGS SHALL BE INSTALLED ACCORDING TO THE DESIGN TENSION SPECIFIED ON THE PROFILE DRAWINGS. COORDINATE WITH ENGINEER AT LEAST TWO (2) WORKING DAYS PRIOR TO CONDUCTOR PULL TO RECEIVE STRINGING CHART(S).
11. CLIP CONDUCTORS INTO INSULATORS NO SOONER THAN 36 HOURS BUT NO LATER THAN 72 HOURS AFTER INITIAL CONDUCTOR STRINGING. MAINTAIN EXISTING CONDUCTOR TENSION WHEN TRANSFERRING EXISTING CONDUCTORS.
12. EXISTING CONDUCTORS SHALL BE TRANSFERRED TO NEW POLES EXCEPT WHERE NOTED TO BE REMOVED. IF EXISTING CONDUCTORS ARE FOUND TO BE IN POOR CONDITION, COORDINATE WITH KUB FOR REPLACEMENT. LABOR FOR CONDUCTOR TRANSFER FROM OLD POLES TO NEW POLES SHALL BE INCLUDED IN THE COST OF INSTALLATION AND REMOVAL OF POLE FRAMINGS. SPLICE AND SLEEVE CONDUCTORS PER KUB STANDARDS AND SPECIFICATIONS.
13. COORDINATE ALL TRANSFORMER AND SERVICE OUTAGES WITH KUB A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO OUTAGE.
14. AVAILABLE TIMES FOR 161KV AND FIBER OPTIC OUTAGES WILL BE VERY LIMITED. COORDINATE WITH KUB PROJECT MANAGER PRIOR TO THE START OF CONSTRUCTION.
15. CONDUCTOR SIZES SHOWN ON PLANS ARE ESTIMATED FROM RECORD DRAWINGS AND GROUND-LEVEL FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT INSULATORS, CLAMPS, OR OTHER HARDWARE ITEMS ARE SIZED APPROPRIATELY.
16. INSTALL FIBERGLASS STRAIN INSULATORS WHERE DOWNGUY PASSES WITHIN 12-INCHES OF ENERGIZED CONDUCTOR.
17. INSTALL YELLOW PLASTIC, FULL-ROUND, SLIT-SPIRAL GUYGUARDS ON THE TOP MOST DOWNGUY AT ANCHOR LOCATIONS SUBJECT TO PEDESTRIAN TRAFFIC.
18. UNLESS OTHERWISE NOTED, POLE EMBEDMENT SHALL BE A MINIMUM OF 6 FEET OR 10% OF TOTAL POLE HEIGHT PLUS 2 FEET, WHICHEVER IS GREATER. POLE EMBEDMENT DEPTHS SHALL BE MEASURED FROM FINAL GRADE FOR PROPOSED CUT AREAS AND EXISTING GRADE FOR PROPOSED FILL AREAS.
19. POLE HEIGHTS HAVE BEEN SELECTED PER FINAL GRADE. IT IS ASSUMED THAT GRADE WORK SHALL BE COMPLETED PRIOR TO POLE INSTALLATION. IF GRADING CANNOT BE COMPLETED PRIOR TO POLE INSTALLATION, COORDINATE WITH GRADING CONTRACTOR, KUB PROJECT REPRESENTATIVE, AND KUB PROJECT MANAGER TO DETERMINE BEST COURSE OF ACTION.
20. BACKFILL MATERIAL SHALL BE CLEAN, COMPACTABLE SOIL OR CLEAN, DAMP CRUSHER RUN UNLESS OTHERWISE NOTED. PROPERLY DISPOSE OF UNSUITABLE BACKFILL MATERIAL SUCH AS ROCKS, SAND, SWAMPY, OR MUCKY SOIL IF FOUND DURING EXCAVATION.
21. TREE TRIMMING FOR PROPOSED ELECTRICAL LINES MAY BE OUTSIDE OF PROPOSED ROADWAY CLEARING. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PRIME CONTRACTOR TO ENSURE THAT ALL TREE TRIMMING WITHIN ELECTRICAL RIGHT-OF-WAY HAS BEEN ACCOUNTED FOR WITH THE APPROPRIATE BID ITEM. COORDINATE WITH KUB AND PROPERTY OWNER(S) PRIOR TO ANY TREE-TRIMMING OR CLEARING OUTSIDE THE RIGHT-OF-WAY.
22. FOR PROPOSED DUPLEX SPANS GREATER THAN 150-FT, LASH DUPLEX TO SYSTEM NEUTRAL USING KUB ITEM #142067.

LEGEND:

- EXISTING PRIMARY CONDUCTOR(S) TO REMAIN
- EXISTING PRIMARY CONDUCTOR(S) TO BE REMOVED
- PROPOSED PRIMARY CONDUCTOR(S) TO BE INSTALLED
- EXISTING SECONDARY OR SERVICE CONDUCTOR(S) TO REMAIN
- EXISTING SECONDARY OR SERVICE CONDUCTOR(S) TO BE REMOVED
- PROPOSED SECONDARY OR SERVICE CONDUCTOR(S) TO BE INSTALLED
- 125' / 3-795AA — CONDUCTOR IDENTIFICATION INDICATING SPAN LENGTH, NUMBER OF PHASES, AND NUMBER/SIZE/MATERIAL OF PRIMARY CONDUCTOR(S)
- EXISTING HEADGUY TO REMAIN
- EXISTING HEADGUY TO BE REMOVED
- PROPOSED HEADGUY TO BE INSTALLED
- EXISTING ADSS FIBER TO REMOVED
- EXISTING 13KV POWER UTILITY POLE TO REMAIN
- EXISTING 13KV POWER UTILITY POLE TO BE REMOVED
- EXISTING 13KV POWER UTILITY POLE TO BE REPLACED
- PROPOSED 13KV POWER UTILITY POLE TO BE INSTALLED
- EXISTING COMMUNICATIONS UTILITY POLE
- EXISTING SUB-TRANSMISSION POWER UTILITY POLE TO REMAIN
- EXISTING SUB-TRANSMISSION POWER UTILITY POLE TO BE REMOVED
- EXISTING SUB-TRANSMISSION POWER UTILITY POLE TO BE REPLACED
- PROPOSED SUB-TRANSMISSION POWER UTILITY POLE TO BE INSTALLED
- EXISTING POWER UTILITY ANCHOR & DOWNGUY(S) TO REMAIN
- EXISTING POWER UTILITY ANCHOR & DOWNGUY(S) TO BE REMOVED
- PROPOSED POWER UTILITY ANCHOR & DOWNGUY(S) TO BE INSTALLED
- #_____ 40A — EXISTING FUSIBLE CUTOUT (WITH IDENTIFICATION NUMBER & FUSE SIZE) TO REMAIN
- #_____ 40A — EXISTING FUSIBLE CUTOUT (WITH IDENTIFICATION NUMBER & FUSE SIZE) TO BE REMOVED
- #_____ 40A — PROPOSED FUSIBLE CUTOUT (WITH IDENTIFICATION NUMBER & FUSE SIZE) TO BE INSTALLED
- EXISTING GANG-OPERATED SWITCH TO REMAIN
- EXISTING GANG-OPERATED SWITCH TO BE REMOVED
- PROPOSED GANG-OPERATED SWITCH TO BE INSTALLED
- EXISTING DISCONNECT SWITCH TO REMAIN
- EXISTING DISCONNECT SWITCH TO BE REMOVED
- PROPOSED DISCONNECT SWITCH TO BE INSTALLED
- 12345 / 25 — EXISTING OVERHEAD TRANSFORMER(S) TO REMAIN
- 12345 / 25 — EXISTING OVERHEAD TRANSFORMER(S) TO BE REMOVED
- XFMR #_____ / 25 — PROPOSED OVERHEAD TRANSFORMER(S) TO BE INSTALLED
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- 110 — PROPOSED ROADWAY CENTERLINE & STATION
- TYP. — TYPICAL
- 108+23.1 / 50.7' — STATION AND OFFSET OF PROPOSED FACILITY
- 15° — PROPOSED LINE ANGLE
- 70-WATT HP SODIUM VAPOR LIGHT; REFER TO LIGHTING CONTRACT
- 100-WATT HP SODIUM VAPOR LIGHT; REFER TO LIGHTING CONTRACT
- 150-WATT HP SODIUM VAPOR LIGHT; REFER TO LIGHTING CONTRACT
- 250-WATT HP SODIUM VAPOR LIGHT; REFER TO LIGHTING CONTRACT
- 400-WATT HP SODIUM VAPOR LIGHT; REFER TO LIGHTING CONTRACT
- 1000-WATT HP SODIUM VAPOR LIGHT; REFER TO LIGHTING CONTRACT
- 70-WATT HP SODIUM VAPOR LIGHT TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
- 100-WATT HP SODIUM VAPOR LIGHT TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
- 150-WATT HP SODIUM VAPOR LIGHT TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
- 250-WATT HP SODIUM VAPOR LIGHT TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
- 400-WATT HP SODIUM VAPOR LIGHT TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
- 1000-WATT HP SODIUM VAPOR LIGHT TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
- LIGHT (GENERIC) TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
- 70-WATT HP SODIUM VAPOR LIGHT TO BE REMOVED
- 100-WATT HP SODIUM VAPOR LIGHT TO BE REMOVED
- 150-WATT HP SODIUM VAPOR LIGHT TO BE REMOVED
- 250-WATT HP SODIUM VAPOR LIGHT TO BE REMOVED
- 400-WATT HP SODIUM VAPOR LIGHT TO BE REMOVED
- 1000-WATT HP SODIUM VAPOR LIGHT TO BE REMOVED
- 70-WATT HP SODIUM VAPOR LIGHT TO BE INSTALLED
- 100-WATT HP SODIUM VAPOR LIGHT TO BE INSTALLED
- 150-WATT HP SODIUM VAPOR LIGHT TO BE INSTALLED
- 250-WATT HP SODIUM VAPOR LIGHT TO BE INSTALLED
- 400-WATT HP SODIUM VAPOR LIGHT TO BE INSTALLED
- 1000-WATT HP SODIUM VAPOR LIGHT TO BE INSTALLED

TDOT STANDARD UTILITY NOTES

1. EXCEPT FOR EROSION SEDIMENT CONTROL ITEMS, NO ROADWAY OR BRIDGE ITEMS SHALL BE UTILIZED TO COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFIED FOR THE UTILITY INSTALLATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY OR BRIDGE MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFICATIONS OR DRAWINGS.
2. ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFICATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION MUST BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.
3. THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FILLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS.
4. IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.
5. FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY, UPON COMPLETION OF THE UTILITY'S RELOCATION WORK, A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.
6. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APPROVAL MUST BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.
7. DRIVEWAY, SIDEWALK, AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE RIGHT-OF-WAY.

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

NOTES AND LEGEND

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-3

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

13KV CONDUCTOR STRINGING NOTES:

SHEET U2-4

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
8	7	1	6 DX	63	63
8	5	3	795 AA	100	300
		1	4/0 AA	100	100
5	12	3	795 AA	234	702
		1	4/0 AA	234	234
12	15	3	795 AA	209	627
		1	4/0 AA	208	208
16	36	3	795 AA	145	435
		1	4/0 AA	145	145
16	19	3	795 AA	203	609
		1	4/0 AA	203	203
		1	6 DX	203	203
19	22	3	795 AA	194	582
		1	4/0 AA	194	194

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
6	9	1	6 DX	113	113
6	13	3	795 AA	238	714
		1	4/0 AA	238	238
12	13	1	6 DX	73	73
13	14	1	2 TX	67	67
13	17	3	795 AA	171	513
		1	4/0 AA	171	171
17	35	3	795 AA	195	585
		1	4/0 AA	195	195
15	Bldg. 2562	2	1/0 QX	90	180
15	18	3	250 CU	196	588
		1	2/0 CU	196	196
18	20	3	250 CU	76	228
		1	2/0 CU	76	76
		1	6 DX	76	76
18	Bldg. 2561	1	2 TX	104	104
20	21	3	250 CU	84	252
		1	2/0 CU	84	84
		1	6 DX	84	84

SHEET U2-5

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
36	37	4	1/0 AR	65	260
39	44B	1	6 DX	154	154
46	51	2	1/0 AR	203	406
		1	2 TX	203	203
51	113	2	1/0 AR	183	366
57	Bldg. 2172	1	4/0 QX	89	89
61	63	3	795 AA	125	375
		1	4/0 AA	125	125
		1	6 DX	125	125
61	61A	3	795 AA	158	474
		1	4/0 AA	158	158
		1	6 DX	158	158
63	169	3	795 AA	109	327
		1	4/0 AA	109	109
		1	6 DX	109	109
44A	46	1	6 DX	150	150
44B	44A	1	6 DX	57	57

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
35	37	4	4 CU	109	436
35	38	4	4 CU	122	488
38	40	4	4 CU	108	432
40	41	4	4 CU	70	280
41	42	4	4 CU	94	376
41	Bldg. 2532	1	1/0 QX	69	69
42	39	1	6 DX	137	137
42	43	4	4 CU	97	388
		1	1/0 TX	97	97
42	Bldg. 2532	1	2 TX	41	41
43	44	4	4 CU	85	340
44	46	4	4 CU	159	636
44	Bldg. 2532	1	2 TX	28	28
46	50	1	1/0 TX	93	93
50	52	1	1/0 TX	111	111
55	59	3	250 CU	151	453
		1	2/0 CU	151	151
		1	6 DX	151	151
55	61	3	250 CU	122	366
		1	2/0 CU	122	122
55	61A	3	795 AA	238	714
		1	4/0 AA	238	238
58	Bldg. 2172	1	4/0 QX	47	47
59	58	4	2 AR	63	252
59	60	3	250 CU	71	213
		1	2/0 CU	71	71
		1	6 DX	71	71
61	63	3	250 CU	107	321
		1	2/0 CU	107	107
		1	6 DX	107	107
62	61A	1	6 DX	137	137
63	168	3	250 CU	105	315
		1	2/0 CU	105	105
		1	6 DX	105	105

SHEET U2-6

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
70	73	1	1/0 TX	83	83
70	74	3	795 AA	238	714
		1	4/0 AA	238	238
70	144	3	795 AA	201	603
		1	4/0 AA	201	201
73	Bldg. 2128	1	2 TX	30	30
73	Bldg. 2132	1	2 TX	30	30
74	57	3	795 AA	232	696
		1	4/0 AA	232	232
74	78	3	795 AA	209	627
		1	4/0 AA	209	209
78	84	2	1/0 AR	167	334
78	87	3	795 AA	227	681
		1	4/0 AA	227	227
84	85	2	1/0 AR	89	178
		1	2 TX	89	89
84	86	1	2 TX	68	68
86	Bldg. 2144	1	2 TX	36	36
87	97	3	795 AA	205	615
		1	4/0 AA	205	205
95	96	1	1/0 TX	88	88
95	Bldg.	1	2 TX	27	27
95	Bldg.	1	2 TX	49	49
97	95	4	1/0 AR	121	484
97	102	3	795 AA	161	483
		1	4/0 AA	161	161
102	105	1	6 DX	46	46
102	111	3	795 AA	129	387
		1	4/0 AA	129	129
111	117	3	795 AA	216	648
		1	4/0 AA	216	216
111	112A	3	795 AA	72	216
		1	4/0 AA	72	72
113	114	2	1/0 AR	162	324
114	188	2	1/0 AR	119	238
		1	6 DX	119	119
188	189	2	1/0 AR	148	296
		1	6 DX	148	148
189	189A	1	6 DX	31	31
189	190	2	1/0 AR	126	252
		1	6 DX	126	126
190	191	2	1/0 AR	100	200
		1	6 DX	100	100
191	192	2	1/0 AR	149	298
192	193	2	1/0 AR	102	204
193	194	2	1/0 AR	97	194
112A	Bldg. 2245	1	2 TX	50	50

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
68	60	3	250 CU	95	285
		1	2/0 CU	95	95
68	69	2	4 CU	103	206
68	75	3	250 CU	123	369
		1	2/0 CU	123	123
69	72	2	4 CU	125	250
72	145	2	4 CU	84	168
		1	1/0 TX	84	84
72	Bldg. 2132	1	2 TX	72	72
75	77	3	250 CU	120	360
		1	2/0 CU	120	120
77	81	3	250 CU	137	411
		1	2/0 CU	137	137
77	Bldg. 2204	1	2 TX	79	79
81	82	2	4 CU	88	176
81	88	3	250 CU	108	324
		1	2/0 CU	108	108
82	83	4	4 CU	103	412
83	85	4	4 CU	126	504
83	Bldg. 2144	1	2 TX	78	78
88	92	3	250 CU	97	291
		1	2/0 CU	97	97
92	93	3	250 CU	116	348
		1	2/0 CU	116	116
93	94	4	2 CU	123	492
93	98	3	250 CU	99	297
		1	2/0 CU	99	99
95	96	2	4 CU	101	202
98	99	3	250 CU	92	276
		1	2/0 CU	92	92
		1	2 TX	92	92
99	108	3	250 CU	90	270
		1	2/0 CU	90	90
		1	2 TX	90	90
99	Bldg.	1	2 TX	14	14
108	105	1	2 TX	123	123
108	110	3	250 CU	86	258
		1	2/0 CU	86	86
110	112	3	795 AA	123	369
		1	4/0 AA	123	123
112	Bldg. 2245	3	4 CU	58	174
114	188	4	6 CU	119	476
188	189	4	6 CU	148	592
189	190	4	6 CU	126	504
189	189A	1	6 CU	31	31
190	191	4	6 CU	100	400
191	192	3	6 CU	149	447
192	193	3	6 CU	102	306
193	194	3	6 CU	97	291

SHEET U2-7

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
130	131	2	1/0 AR	114	228
130	216	4	1/0 AR	180	720
		1	1/0 TX	180	180
135	139	3	795 AA	196	588
		1	4/0 AA	196	196
138	138A	1	6 DX	151	151
139	221	3	795 AA	180	540
		1	4/0 AA	180	180
216	219	4	1/0 AR	103	412
216	216A	1	1/0 TX	68	68
219	233	4	1/0 AR	104	416
221	221A	3	795 AA	103	309
		1	4/0 AA	103	103
		1	6 DX	103	103

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
115	Bldg. 1908	1	2 TX	46	46
116	110	3	250 CU	179	537
		1	2/0 CU	179	179
128	126	1	2 TX	82	82
128	129	1	2 TX	60	60
128	217	4	1/0 AR	150	600
		1	1/0 TX	150	150
137	136	1	6 DX	123	123
137	138	2	6 CU	114	228
140	136	3	795 AA	172	516
		1	4/0 AA	172	172
140	221	3	795 AA	186	558
		1	4/0 AA	186	186
217	220	4	1/0 AR	102	408
217	216A	1	1/0 TX	56	56
220	232	4	1/0 AR	101	404
221	221A	3	795 AA	103	309
		1	4/0 AA	103	103
		1	4 CU	103	103
221	221G	1	6 DX	76	76

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

CONDUCTOR STRINGING NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-3A

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

13KV CONDUCTOR STRINGING NOTES:

SHEET U2-8

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
22	24	3	795 AA	161	483
		1	4/0 AA	161	161
		1	6 DX	161	161
24	28	3	795 AA	178	534
		1	4/0 AA	178	178
24	33	1	2 TX	91	91
24	34	1	6 DX	110	110
28	29	3	795 AA	45	135
		1	4/0 AA	45	45
29	30	3	795 AA	80	240
		1	4/0 AA	80	80
30	31	3	795 AA	127	381
		1	4/0 AA	127	127
31	32	3	795 AA	75	225
		1	4/0 AA	75	75

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
23	21	3	250 CU	185	555
		1	2/0 CU	185	185
		1	6 DX	185	185
23	25	1	6 DX	82	82
23	27	1	6 DX	96	96
23	28	3	250 CU	202	606
		1	2/0 CU	202	202
23	33	1	2 TX	118	118
23	34	1	6 DX	109	109
27	26	1	6 DX	79	79
28	29	3	250 CU	45	135
		1	2/0 CU	45	45
29	30	3	250 CU	80	240
		1	2/0 CU	80	80
30	31	3	250 CU	127	381
		1	2/0 CU	127	127
31	32	3	250 CU	75	225
32	32	1	2/0 CU	75	75

SHEET U2-9

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
144	147	2	1/0 AR	92	184
144	152	3	795 AA	175	525
		1	4/0 AA	175	175
146	147	1	1/0 TX	92	92
146	Bldg. 2120	1	2 TX	35	35
146	Bldg. 2122	1	2 TX	35	35
147	149	1	1/0 TX	120	120
149	150	2	6 DX	66	132
149	Bldg.	1	2 TX	40	40
149	Bldg. 2106	1	2 TX	48	48
152	155	2	1/0 AR	136	272
152	158	3	795 AA	185	555
		1	4/0 AA	185	185
155	156	2	1/0 AR	44	88
		1	2 TX	44	44
155	Bldg. 2216	1	2 TX	112	112
158	159	1	2 TX	57	57
158	160	3	795 AA	188	564
		1	4/0 AA	188	188
160	161	3	795 AA	97	291
		1	4/0 AA	97	97
		1	6 DX	97	97
160	164	1	2 TX	113	113
161	165	3	795 AA	200	600
		1	4/0 AA	200	200
164	Bldg. 1944	1	2 TX	37	37
165	166	3	795 AA	104	312
		1	4/0 AA	104	104
		1	1/0 TX	104	104
166	167	1	1/0 TX	80	80
166	183	1	6 DX	52	52
166	185A	3	795 AA	95	285
		1	4/0 AA	95	95
169	172	3	795 AA	99	297
		1	4/0 AA	99	99
172	173	3	795 AA	99	297
		1	4/0 AA	99	99
		1	1/0 TX	99	99
174	176	3	795 AA	105	315
		1	4/0 AA	105	105
177	179	3	795 AA	102	306
		1	4/0 AA	102	102
		1	1/0 TX	102	102
179	161	3	795 AA	182	546
		1	4/0 AA	182	182
185A	186	3	795 AA	100	300
		1	4/0 AA	100	100
		1	6 DX	100	100

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
145	148	4	4 CU	117	468
145	Bldg. 2120	1	2 TX	74	74
145	Bldg. 2122	1	2 TX	69	69
148	184	4	4 CU	96	384
154	153	1	6 DX	55	55
154	156	4	4 CU	102	408
154	159	2	4 CU	128	256
154	Bldg. 2216	1	2 TX	93	93
161	162	3	250 CU	64	192
		1	2/0 CU	64	64
		1	1/0 TX	64	64
162	181	3	250 CU	137	411
		1	2/0 CU	137	137
162	Bldg. 1944	1	2 TX	83	83
168	171	3	250 CU	107	321
		1	2/0 CU	107	107
171	174	3	250 CU	91	273
		1	2/0 CU	91	91
		1	1/0 TX	91	91
174	176	3	250 CU	96	288
		1	2/0 CU	96	96
177	178	3	250 CU	108	324
		1	2/0 CU	108	108
		1	1/0 TX	108	108
179	180	3	250 CU	96	288
		1	2/0 CU	96	96
		1	1/0 TX	96	96
180	161	3	250 CU	93	279
		1	2/0 CU	93	93
		1	1/0 TX	93	93
181	182	3	250 CU	98	294
		1	2/0 CU	98	98
		1	1/0 TX	98	98
182	167	1	4/0 QX	70	70
182	183	1	6 DX	43	43
183	185	3	250 CU	100	300
		1	2/0 CU	100	100
184	154	4	4 CU	147	588
184	Bldg.	1	2 TX	81	81
184	Bldg. 2106	1	2 TX	83	83
185	186	3	250 CU	100	300
		1	2/0 CU	100	100
		1	6 DX	100	100

SHEET U2-10

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
195	194	2	1/0 AR	154	308
195	196	2	1/0 AR	285	570
195	222	1	6 DX	51	51
196	197	2	1/0 AR	137	274
196	201	3	795 AA	120	360
		1	4/0 AA	120	120
		1	6 DX	120	120
197	198	2	1/0 AR	160	320
198	199	1	6 DX	111	111
199	200	1	6 DX	111	111
201	202	3	795 AA	139	417
		1	4/0 AA	139	139
201	205	1	1/0 QX	63	63
201	206	1	4/0 QX	91	91
202	203	3	795 AA	178	534
		1	4/0 AA	178	178
202	206	1	2 TX	92	92
202	207	1	1/0 TX	73	73
202	209	2	1/0 AR	62	124
203	204	3	795 AA	91	273
		1	4/0 AA	91	91
		1	1/0 TX	91	91
204	213	4	1/0 AR	213	852
204	214	4	1/0 AR	113	452
204	229A	1	2 TX	61	61
204	Bldg. 1823	1	2 TX	34	34
207	208	1	1/0 TX	40	40
209	210	2	1/0 AR	61	122

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
134	136	3	795 AA	118	354
		1	4/0 AA	118	118
		1	6 DX	118	118
195	194	3	6 CU	154	462
195	222	1	2 TX	51	51
195	223	3	6 CU	248	744
198	225	2	4 CU	236	472
203	229	4	1/0 AR	114	456
		1	1/0 TX	114	114
223	224	2	1/0 AR	123	246
223	227	4	1/0 AR	176	704
		1	6 DX	176	176
224	198	2	1/0 AR	208	416
224	Bldg.	1	2 TX	34	34
227	205	1	1/0 QX	78	78
227	206	1	2 TX	56	56
		1	4/0 QX	56	56
227	228	4	1/0 AR	155	620
		1	2 TX	155	155
228	203	4	1/0 AR	94	376
228	207	3	4 CU	65	195
228	208	3	4 CU	52	156
228	210	2	6 CU	102	204
		2	4 CU	102	204
229	229A	1	2 TX	48	48
229	Bldg. 1823	1	2 TX	28	28
204A	213	3	6 CU	137	411
204A	214	4	1/0 AR	188	752

SHEET U2-18

13KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
120	135	3	795 AA	162	486
		1	4/0 AA	162	162
121	123	3	1/0 AR	75	225
121	196	3	795 AA	176	528
		1	4/0 AA	176	176
123	Bldg.	1	1/0 QX	79	79
127	117	3	795 AA	247	741
		1	4/0 AA	247	247
127	120	3	795 AA	149	447
		1	4/0 AA	149	149
127	121	3	795 AA	79	237
		1	4/0 AA	79	79
127	130	4	1/0 AR	189	756

13KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
116	115	1	2 TX	39	39
116	118	3	795 AA	222	666
		1	4/0 AA	222	222
116	Bldg. 1916	1	2 TX	82	82
118	119	4	1/0 AR	92	368
118	122	3	1/0 AR	91	273
		1	6 DX	91	91
118	125	3	795 AA	124	372
		1	4/0 AA	124	124
118	223	4	1/0 AR	176	704
119	128	4	1/0 AR	110	440
122	141	1	1/0 QX	53	53
125	131	2	1/0 AR	218	436
125	134	3	795 AA	125	375
		1	4/0 AA	125	125
141	Bldg.	4	4 CU	41	164

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

CONDUCTOR STRINGING NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-38

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

161KV CONDUCTOR STRINGING NOTES:

SHEET U2-5

161KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)

161KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
56	168	3	795 AA	356	1068
56	168	1	3/8" HS	356	356

SHEET U2-6

161KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
70	74	3	795 AA	238	714
		1	3/8" HS	238	238
70	144	3	795 AA	201	603
		1	3/8" HS	201	201
74	78	3	795 AA	209	627
		1	3/8" HS	209	209
78	87	3	795 AA	227	681
		1	3/8" HS	227	227
87	97	3	795 AA	205	615
		1	3/8" HS	205	205
97	111	3	795 AA	290	870
		1	3/8" HS	290	290
111	117	3	795 AA	216	648
		1	3/8" HS	216	216

161KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
76	56	3	795 AA	369	1107
		1	3/8" HS	369	369
76	89	3	795 AA	443	1329
		1	3/8" HS	443	443
90	100	3	795 AA	362	1086
		1	3/8" HS	362	362
100	124	3	795 AA	465	1395
		1	3/8" HS	465	465

SHEET U2-9

161KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
144	152	3	795 AA	175	525
		1	3/8" HS	175	175
152	158	3	795 AA	185	555
		1	3/8" HS	185	185
158	160	3	795 AA	188	564
		1	3/8" HS	188	188
160	161	3	795 AA	97	291
		1	3/8" HS	97	97

161KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
168	177	3	795 AA	294	882
		1	3/8" HS	294	294

SHEET U2-18

161KV CONDUCTOR INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
127	117	3	795 AA	247	741
		1	3/8" HS	247	247

161KV CONDUCTOR REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
124	127	3	795 AA	79	237
		1	3/8" HS	79	79

ADSS FIBER STRINGING NOTES:

SHEET U2-14

ADSS FIBER INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
161	160	1	ADSS	97	97
165	161	1	ADSS	200	200
166	165	1	ADSS	104	104
186	185A	1	ADSS	100	100
187	186	1	ADSS	93	93
185A	166	1	ADSS	95	95
187A	187	1	ADSS	112	112
187B	187A	1	ADSS	95	95
187C	187B	1	ADSS	103	103

SHEET U2-15

ADSS FIBER INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
70	74	1	ADSS	238	238
74	78	1	ADSS	209	209
144	70	1	ADSS	201	201
152	144	1	ADSS	175	175
158	152	1	ADSS	185	185
158	160	1	ADSS	188	188

SHEET U2-16

ADSS FIBER INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
78	87	1	ADSS	227	227
87	97	1	ADSS	205	205
97	102	1	ADSS	161	161
97	111	1	ADSS	290	290
102	111	1	ADSS	129	129
111	117	1	ADSS	216	216

SHEET U2-17

ADSS FIBER INSTALLATION NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
117	127	1	ADSS	247	247
127	133	1	ADSS	223	223

SHEET U2-5

ADSS FIBER REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
55	56	1	ADSS	48	48
55	62	1	ADSS	122	122
56	59	1	ADSS	109	109
59	60	1	ADSS	71	71
62	63	1	ADSS	107	107
63	168	1	ADSS	105	105

SHEET U2-6

ADSS FIBER REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
68	60	1	ADSS	95	95
68	75	1	ADSS	123	123
75	77	1	ADSS	120	120
77	81	1	ADSS	137	137
81	88	1	ADSS	108	108
88	92	1	ADSS	97	97
92	93	1	ADSS	116	116
93	98	1	ADSS	99	99
98	99	1	ADSS	92	92
99	108	1	ADSS	90	90
108	110	1	ADSS	86	86

SHEET U2-7

ADSS FIBER REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
110	116	1	ADSS	179	179

SHEET U2-9

ADSS FIBER REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
168	171	1	ADSS	107	107
171	173	1	ADSS	91	91
173	176	1	ADSS	96	96
176	178	1	ADSS	108	108
178	180	1	ADSS	96	96
180	161	1	ADSS	93	93
161	162	1	ADSS	64	64
162	181	1	ADSS	137	137
181	182	1	ADSS	98	98
182	185	1	ADSS	100	100
185	186	1	ADSS	100	100
186	187	1	ADSS	93	93
187	187A	1	ADSS	112	112
187A	187B	1	ADSS	95	95
187B	187C	1	ADSS	103	103

SHEET U2-18

ADSS FIBER REMOVAL NOTES

From Pole Loc.	To Pole Loc.	No. of Conductors	Conductor Type	Span Length (ft)	Total Conductor Length (ft)
116	119	1	ADSS	197	197
119	125	1	ADSS	175	175
125	133	1	ADSS	105	105

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

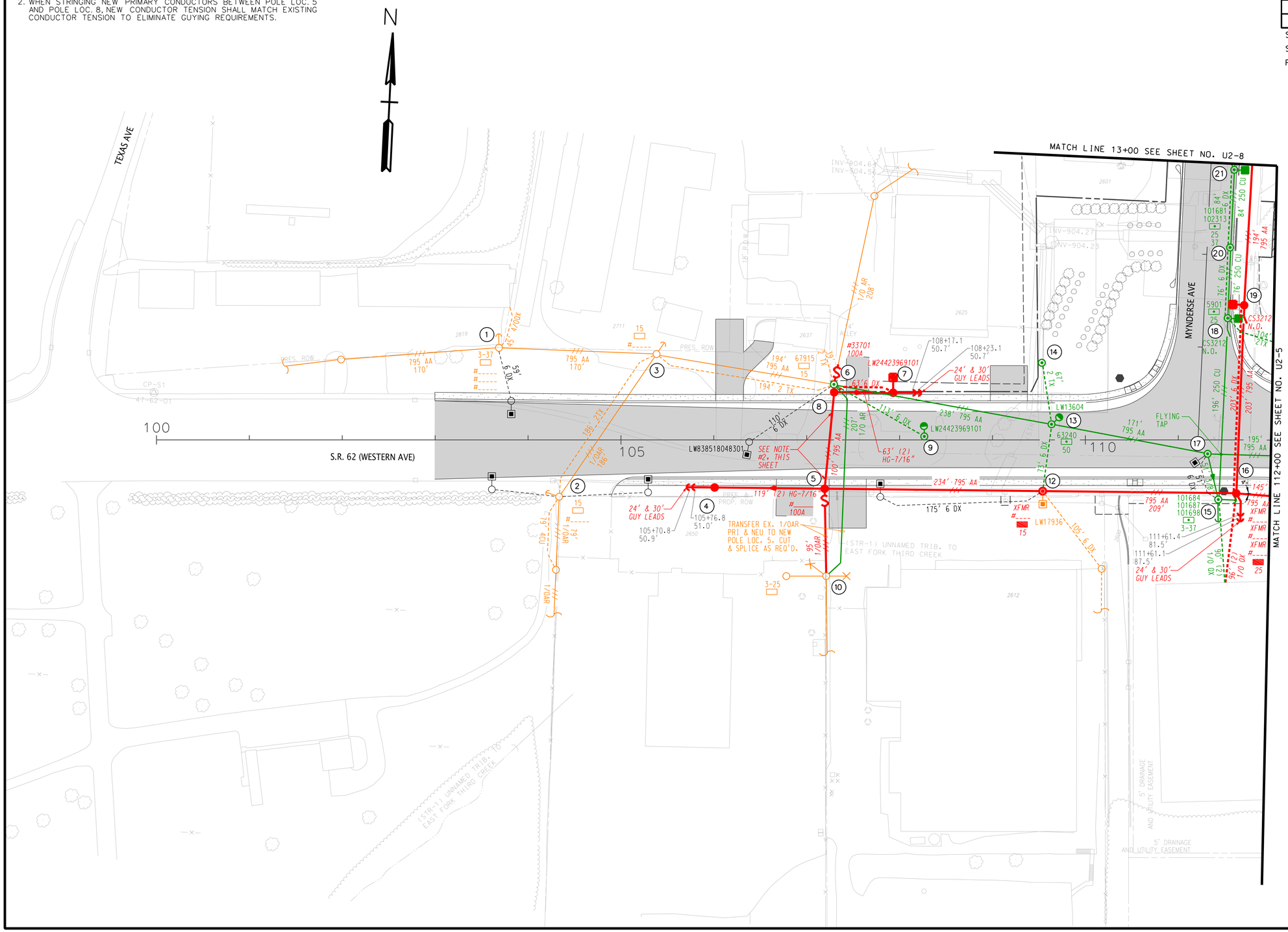
CONDUCTOR STRINGING NOTES

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND LEGEND.
2. WHEN STRINGING NEW PRIMARY CONDUCTORS BETWEEN POLE LOC. 5 AND POLE LOC. 8, NEW CONDUCTOR TENSION SHALL MATCH EXISTING CONDUCTOR TENSION TO ELIMINATE GUYING REQUIREMENTS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-4

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

UTILITY RELOCATION ELECTRICAL

STA.100+00 TO STA.112+00

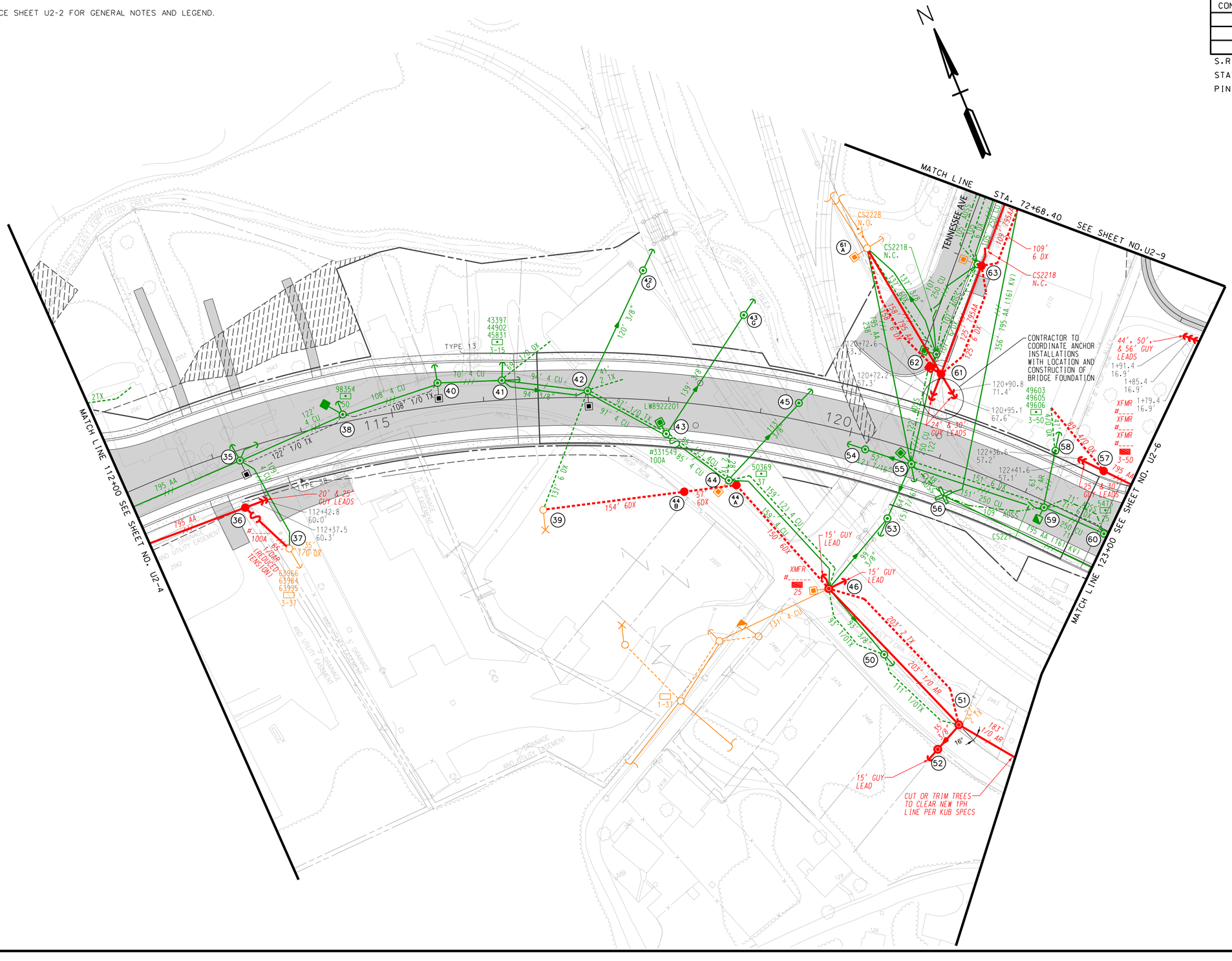
SCALE: 1"= 50'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND LEGEND.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-5

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

UTILITY RELOCATION ELECTRICAL

STA.120+00 TO STA.123+00

SCALE: 1"= 50'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND LEGEND.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-6

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

KNOXVILLE UTILITIES BOARD

UTILITY RELOCATION ELECTRICAL

STA.123+00 TO STA.135+00

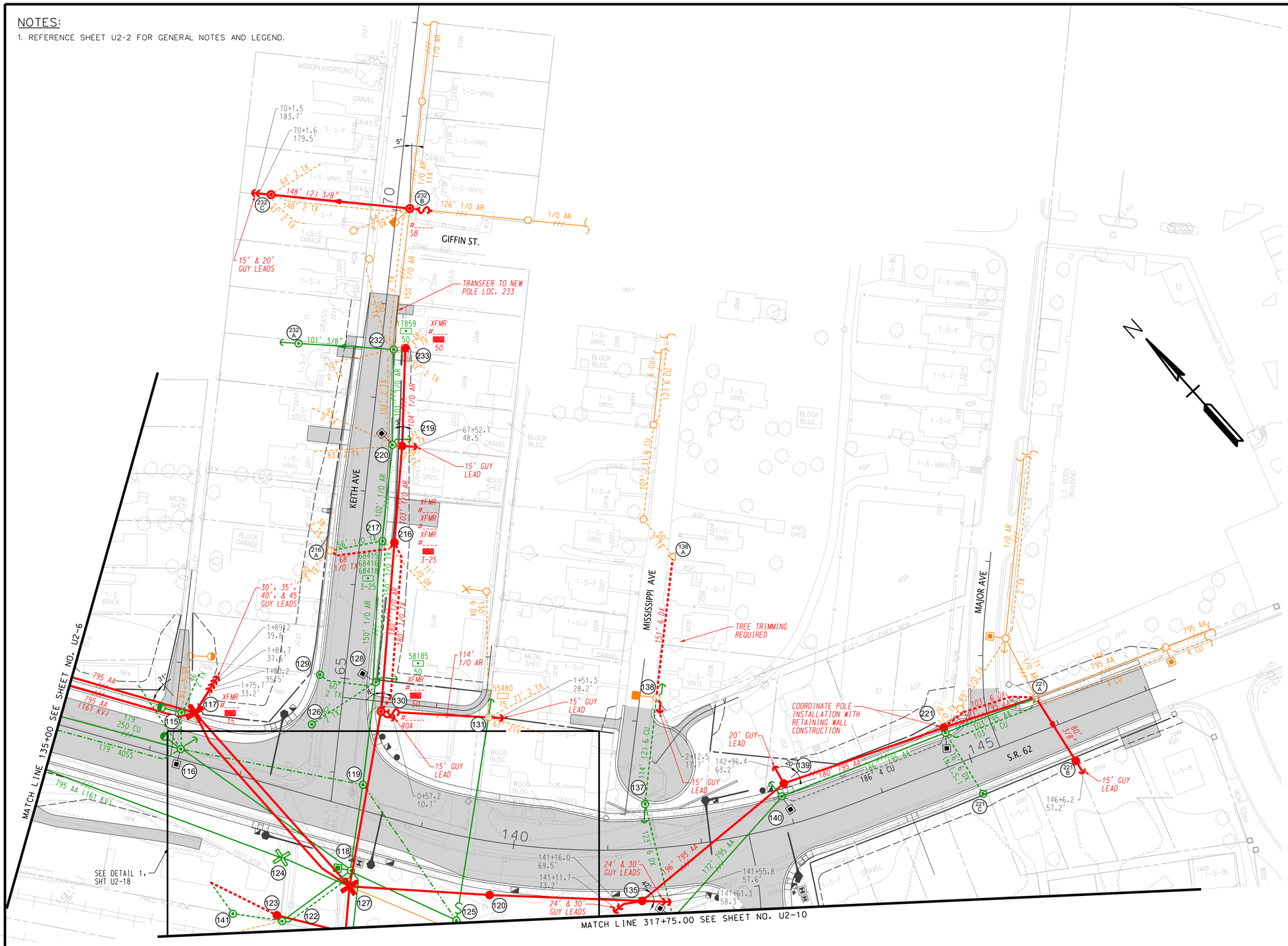
SCALE: 1"= 50'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND LEGEND.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-7

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

UTILITY RELOCATION ELECTRICAL

STA.135+00 TO STA.147+00

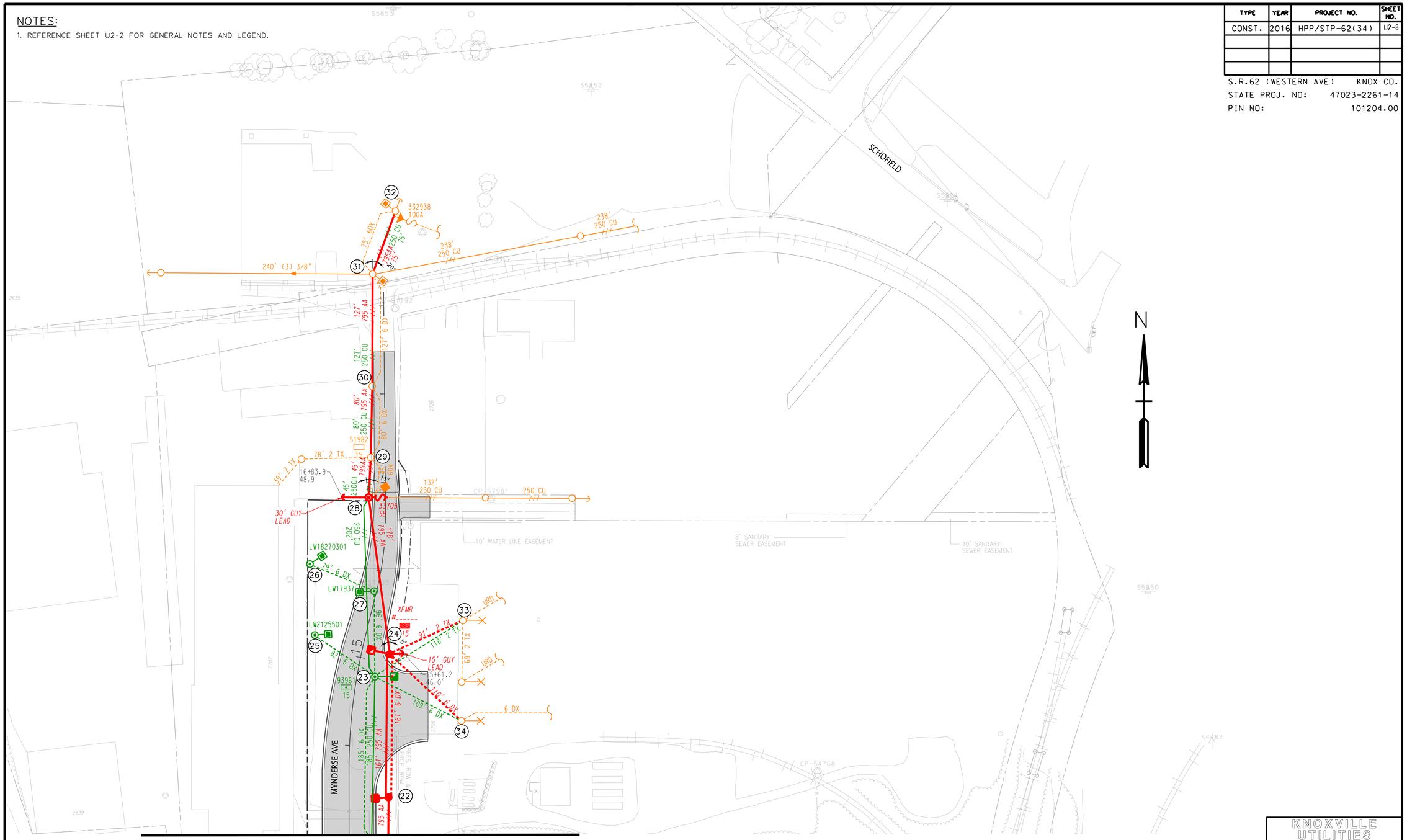
SCALE: 1"=50'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND LEGEND.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-8

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

UTILITY RELOCATION ELECTRICAL

STA.13+00 TO STA.18+50
MYNDERSE AVE.

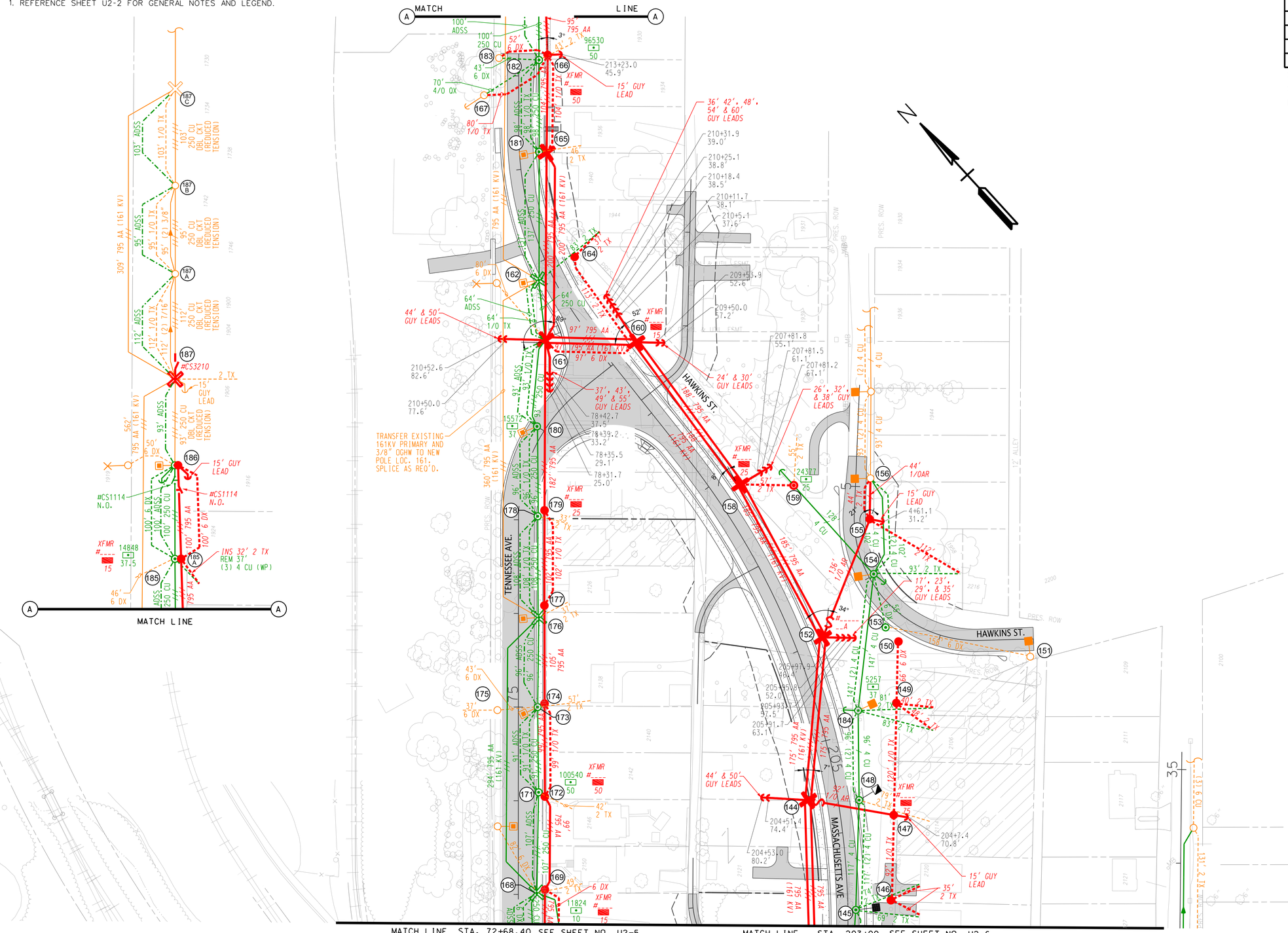
SCALE: 1"= 50'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND LEGEND.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-9

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

UTILITY RELOCATION ELECTRICAL

STA. 203+00 TO STA. 213+24
MASSACHUSETTS AVE.
SCALE: 1"= 50'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND LEGEND.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-10

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

KNOXVILLE UTILITIES BOARD

UTILITY RELOCATION ELECTRICAL

STA. 308+13 TO STA. 317+75

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-11

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

POLE CONSTRUCTION NOTES:

POLE LOCATION	SHEET NUMBER	STATION, OFFSET	CONSTRUCTION NOTES
1	U2-4	103+68.7, 99.2' L	EXISTING ??-? WP, A2-795, 3TR-??K-C795, QXDE-4/0, DXDE-6, 150W STLT (#?????), RODGND TO REMAIN.
2	U2-4	104+33.6, 61.2' R	EXISTING ??-? WP, C1A-1/0AR-C1/0AR, 1TR-15K-C1/0AR, TXDE-2, 1SDE-4CU, (2) DXDE-6, (1) DG-3/8" & (1) A-8SH, RODGND TO REMAIN.
3	U2-4	105+38.4, 92.5' L	EXISTING ??-? WP, A2-795, C1-1/0AR-C795-TAP, 1TR-??K-C795, RODGND TO REMAIN.
4	U2-4	106+0.8, 51.2' R	INSTALL 35'-5 WP, (3) DG-7/16", (2) A-10DH.
5	U2-4	107+19.3, 52.5' R	INSTALL 55'-2 DI, T1DDE-795-C1/0AR-FG (TOP), T1DE-795-C795-FG-TAP (EAST), 3CO-C795-100A, (2) HG-7/16", & RODGND.
6	U2-4	107+29.3, 59.8' L	REMOVE 50'-3 WP, A1-795, C1A-1/0AR-C795, 3CO-C795-100A, 1TR-15K-C1/0AR-NO/TR, (2) TXDE-2, DXDE-6, & RODGND. TRANSFER 1TR-15K (#67915), TRIPLEX, AND 3PH PRI & NEUT (WEST & NORTH) TO NEW POLE LOC. 8.
7	U2-4	107+93.1, 50.8' L	INSTALL 35'-5 WP, DXDE-6, (3) DG-7/16" & (2) A-10DH.
8	U2-4	107+29.6, 51.3' L	INSTALL 55'-2 DI, T1DDE-795-C1/0AR-FG (TOP), T1DE-795-C795-FG-TAP (WEST), 3CO-C795-100A (#33701), 1TR-15K-C795-NO/TR, (2) HG-7/16", (2) TXDE-2, DXDE-6, & RODGND.
9	U2-4	108+26.6, 3.8' L	REMOVE 40'-4 WP, DXDE-6. TRANSFER 400W STLT W/ 30" ARM & LW TAG TO NEW POLE LOC. 7.
10	U2-4	107+21.0, 146.7' R	EXISTING 50'-3 WP, T1-1/0AR (TOP), C1-1/0AR-C1/0AR-TAP, & RODGND TO REMAIN.
12	U2-4	109+54.0, 55.2' R	REMOVE 35'-5 WP, (2) DXDE-6. INSTALL 55'-3 WP, T1-795-FG, 1TR-15K-C795 (#_____), DXDE-6, RODGND. TRANSFER EXISTING 250W STLT, & DUPLEX (SOUTHEST) TO NEW POLE.
13	U2-4	109+63.5, 16.9' L	REMOVE 50'-3 WP, A1-795, 1TR-50K-C795, 400W STLT, TXDE-2, DXDE-6, RODGND.
14	U2-4	109+53.1, 83.1' L	REMOVE 35'-5 WP, TXDE-2.
15	U2-4	111+43.0, 64.2' R	REMOVE 45'-4 WP, C1-250CU-NO/C, 3TR-37K-C250CU, (2) QXDE-1/0, (3) DG-7/16" & (2) A-10DH.
16	U2-4	111+62.4, 57.5' R	INSTALL 55'-2 DI, T2-795-FG, T1DE-795-C795-FG-TAP, (3) DG-7/16" & (2) A-10DH, 3TR-25K-C795 (#_____, #_____, #_____), (2) QXDE-1/0, DXDE-6, RODGND.
17	U2-4	111+31.6, 15.0' R	REMOVE 50'-3 WP, T2-795, HG-3/8".
18	U2-4	11+32.5, 25.8' R	REMOVE 50'-3 WP, T2DDE-250CU-C250CU, SW/DISC-900A-250CU, 1TR-25K-C250CU (#5901), TXDE-2, DXDE-6. TRANSFER 100W STLT W/ 6' ARM TO NEW POLE LOC. 19.
19	U2-4	11+47.2', 42.8' R	INSTALL 50'-2 DI, T1DDE-795-C795-FG, SW/DISC-900A-795AA, DXDE-6, RODGND.
20	U2-4	12+8.7', 24.7' R	REMOVE 50'-3 WP, T1-250CU-FG, 1TR-25K-C250CU (N.I.S), 1TR-37K-C250CU (N.I.S.), (2) DXDE-6, RODGND.
21	U2-4	12+92.5', 25.3' R	REMOVE 45'-4 WP, T1-250CU-FG, (2) DXDE-6. TRANSFER 100W STLT W/ 6' ARM TO NEW POLE LOC. 22.
22	U2-8	13+41.5, 44.6' R	INSTALL 50'-3 WP, T1-795-FG, DXDE-6.
23	U2-8	14+81.4, 20.0' R	REMOVE 50'-3 WP, T2-250CU-FG, 1TR-15K-C250CU, TXDE-2, & (4) DXDE-6, RODGND. TRANSFER 150W STLT W/ 6' ARM TO NEW POLE LOC. 24.
24	U2-8	15+10.9, 31.5' R	INSTALL 50'-3 WP, T2-795-FG, 1TR-15K-C795AA (#_____), TXDE-2, (2) DXDE-6, (1) DG-7/16" & (1) A-10DH, & RODGND.
25	U2-8	15+13.1, 55.7' L	REMOVE 35'-5 WP, 250W STLT W/ 6' ARM, DXDE-6.
26	U2-8	15+92.1, 80.0' L	REMOVE 35'-5 WP, 250W STLT W/ 6' ARM, DXDE-6.
27	U2-8	15+76.2, 2.7' L	REMOVE 35'-5 WP, 250W STLT W/ 6' ARM, (2) DXDE-6.
28	U2-8	16+83.5, 18.9' L	REMOVE 50'-3 WP, T2-250CU, T2DE-250CU-C250CU-TAP, 3CO-C250CU-SB (#33705), DXDE-6, (1) DG-3/8" & (1) A-8SH, RODGND. INSTALL 50'-3 WP, T2-795-FG, T1DE-250CU-C795-TAP-FG, 3CO-C795-SB, DXDE-6, (1) DG-7/16" & (1) A-10DH, RODGND. TRANSFER 100W STLT W/ 6' ARM TO NEW POLE.
29	U2-8	16+28.5, 16.1' L	EXISTING 50'-3 WP, 1TR-15K-C250CU, TXDE-2, DXDE-6 & RODGND TO REMAIN. REMOVE T1-250CU. INSTALL T2-795-FG. REPLACE JUMPERS AS NEEDED.
30	U2-8	17+8.6, 13.7' L	EXISTING 50'-3 WP, (2) DXDE-6 TO REMAIN. REMOVE T1-250CU. INSTALL T2-795-FG.
31	U2-8	N/A	EXISTING 50'-3 WP, C1-250CU-C250CU-TAP (EAST), DXDE-6, (3) HG-3/8", 250W STLT W/ 6' ARM TO REMAIN. REMOVE T2A-250CU. INSTALL T2A-795-FG.
32	U2-8	N/A	EXISTING 50'-H CP, TP3S-1/0-C250CU-100A, 250W STLT W/ 6' ARM TO REMAIN. REMOVE C1-250CU-NO/C. INSTALL T1DE-795-NO/C-FG.
33	U2-8	15+62.3, 102.4' R	EXISTING 40'-4WP TO REMAIN. REMOVE TXDE-2. INSTALL TXDE-2.
34	U2-8	14+41.4, 123.5' R	EXISTING 40'-4 WP TO REMAIN. REMOVE DXDE-6. INSTALL DXDE-6.
35	U2-5	113+27.1, 11.1' R	REMOVE 50'-3 WP, T2DDE-795-C4CU, C1-4CU-C795-TAP, (3) DG-3/8" & (2) A-8SH.
36	U2-5	113+16.5, 61.3' R	INSTALL 50'-3 WP, T1DE-795-NO/C-FG, T1DE-1/0AR-C795-FG-TAP, 3CO-C795-100A (#_____), (4) DG-7/16" & (2) A-10DH, RODGND.
37	U2-5	113+51.2, 117.9' R	EXISTING 45'-5 WP, 3TR-37K-C4CU (#63966, 63984, 63995), QXDE-1/0, (1) DG-3/8" & (1) A-8SH, & RODGND TO REMAIN. REMOVE C1-4CU-NO/C. INSTALL T1DE-1/0AR-NO/C-FG. REPLACE JUMPERS AS NEEDED.
38	U2-5	114+47.5, 8.4' L	REMOVE 45'-4 WP, T1DDE-4CU-C4CU-FG, 1TR-50K-C4CU, 100W STLT.
39	U2-5	116+60.4, 120.9' R	EXISTING 35'-5 WP, PVT STLT TO REMAIN. REMOVE DXDE-6. INSTALL DXDE-6.
40	U2-5	115+52.8, 25.0' L	REMOVE 40'-4 WP, T2A-4CU, (1) DG-3/8" & (1) A-8SH.
41	U2-5	116+21.0, 21.2' L	REMOVE 40'-4 WP, C1-4CU-NO/C, DE-4CU-C4CU-TAP, 3TR-15K-C4CU (#43397, #44902, #45831), HG-3/8", QXDE-1/0, (1) DG-3/8" & (1) A-8SH (NORTH), (1) DG-3/8" & (1) A-8SH (EAST), RODGND.
42	U2-5	117+12.2, 7.3' L	REMOVE 40'-4 WP, SL-4CU, (2) HG-3/8", TXDE-1/0, TXDE-2, DXDE-6.
42G	U2-5	117+64.8, 139.4' L	REMOVE 40'-4 WP, (1) DG-3/8" & (1) A-8SH.
43	U2-5	118+0.4, 35.3' R	REMOVE 45'-4 WP, DDE-4CU-C4CU, HG-3/8", 1CO-C4CU-100A, TXDE-1/0, (2) 1SDE-4CU, 250W STLT W/ 4' ARM.
43G	U2-5	118+67.7, 101.9' L	REMOVE 40'-4 WP, (1) DG-3/8" & (1) A-8SH.
44	U2-5	118+77.1, 77.5' R	REMOVE 40'-4 WP, SL-4CU, 1TR-37K-C4CU (#50369), HG-3/8", (2) 1S-4CU, TXDE-2, RODGND. TRANSFER 250W SLT W/ 6' ARM TO NEW POLE LOC. 44A.
44A	U2-5	118+86.6, 81.3' R	INSTALL 40'-4 WP, (2) DXDE-6.
44B	U2-5	118+27.2, 95.7' R	INSTALL 40'-4 WP, (2) DXDE-6.
45	U2-5	119+38.8, 18.1' L	REMOVE 40'-4 WP, (1) DG-3/8" & (1) A-8SH.
46	U2-5	N/A	REMOVE 40'-4 WP, DDE-1/0AR-C4CU-ANG, (2) 1SDE-4CU, TXDE-1/0, (2) HG-3/8", (1) DG-3/8" & (1) A-8SH. INSTALL DDE-1/0AR-C4CU-ANG, 1TR-25-C1/0AR (#_____), DXDE-6, TXDE-2, (2) DG-3/8" & (2) A-8SH, RODGND. TRANSFER EXISTING 250W STLT W/ 6' ARM, 1PH PRI & NEU (WEST) TO NEW POLE.
50	U2-5	N/A	REMOVE 40'-4 WP, (2) TXDE-1/0, (2) DG-3/8" & (1) A-8SH.
51	U2-5	N/A	REMOVE 40'-4 WP, TXDE-2, TXDE-1/0, HG-3/8". INSTALL 45'-3 WP, SL-1/0AR, HG-3/8", (2) TXDE-2. TRANSFER EXISTING SERVICE TO NEW POLE.
52	U2-5	N/A	REMOVE 30'-5 WP, (1) DG-3/8" & (1) A-8SH. INSTALL 35'-5 WP, (1) DG-3/8" & (1) A-8SH.
53	U2-5	120+65.9, 79.1' R	REMOVE 40'-4 WP, (3) DG-7/16" & (1) A-10DH.
54	U2-5	120+20.0, 14.3' R	REMOVE 40'-4 WP, (2) DG-7/16" & (1) A-10DH.
55	U2-5	120+73.0, 15.2' R	REMOVE 60'-3 WP, C1B-250-C250CU, C1-795-C250CU-TAP, (2) HG-7/16" (WEST), (5) HG-7/16" (SOUTH), (2) DG-7/16" & (1) A-10DH, DXDE-6, 250W STLT W/ 6' ARM, ADSS-DDE.
56	U2-5	121+17.9, 36.1' R	REMOVE 92.5' ENGINEERED SP, TDDE, TM-9R, ADSS-DDE, & CONCRETE FOUNDATION.
57	U2-5	122+66.6, 56.7' L	INSTALL 55'-3 WP, T1DE-795-NO/C-FG, 3TR-50K-C795 (#_____, #_____, #_____), (3) DG-7/16" & (2) A-10DH, QXDE-4/0, RODGND.
58	U2-5	122+11.1, 54.3' L	REMOVE 45'-4 WP, T2DE-2AR-NO/C, 3TR-50K-C2AR (#49603, #49605, #49606), QXDE-4/0, (1) DG-3/8" & (1) A-8SH, RODGND.
59	U2-5	122+25.2, 6.5' R	REMOVE 50'-2 DI, T1DDE-250CU-C250CU-FG, T1DE-2AR-C250CU-FG-TAP, SW/DISC-900A-C250CU-FG (#CS227), (2) DXDE-6, ADSS-1, 150W STLT W/ 6' ARM, RODGND.
60	U2-5	122+95.9, 4.5' R	REMOVE 50'-3 WP, T1-250CU-FG, 1TR-25K-C250CU (#5473), DXDE-6, ADSS-1, RODGND.

POLE LOCATION	SHEET NUMBER	STATION, OFFSET	CONSTRUCTION NOTES
61	U2-5	74+28.1, 26.9' L	INSTALL 60'-2 WP, T1DE-795-NO/C-FG, T1DE-795-C795-FG-ANG, (2) DXDE-6, (3) DG-7/16" & (2) A-10DH (WEST), (3) DG-7/16" & (2) A-10DH (EAST), RODGND.
61A	U2-5	N/A	EXISTING 50'-3 WP, SW/GROUP-900A-C795-FG (#CS2228), (2) DG-7/16" & (1) A-10DH, RODGND, 400W STLT TO REMAIN. INSTALL T1DDE-795-C795-FG AND RE-FRAME POLE PER KUB DWG #16700-HSW-1. SPLICE EXISTING CONDUCTORS AS NEEDED.
62	U2-5	74+9.8, 14.8' L	REMOVE 50'-3 WP, T2DDE-250CU-C250CU, SW/DISC-900A-C250CU (#CS2218), HG-3/8", (2) DXDE-6, ADSS-1, RODGND. TRANSFER 250W STLT W/ 6' ARM TO NEW POLE LOC. 61.
63	U2-5	73+3.1, 27.7' L (Proposed)	REMOVE 50'-3 WP, T2-250CU, (2) DXDE-6, ADSS-1. INSTALL 55'-3 WP, T1DDE-795-NO/C-FG, SW/DISC-900A-C795-FG (#CS2218), (2) DXDE-6, & RODGND. TRANSFER 250W STLT W/ 6' ARM TO NEW POLE.
68	U2-6	124+10.4, 5.6' L	REMOVE 50'-3 WP, T2-250CU, DE-4CU-C250CU-TAP, 1CO-C250CU-40A, (1) DG-3/8" & (1) A-8SH, (4) 1SDE-4CU (WIRE PREVIOUSLY REMOVED), ADSS-1, RODGND.
69	U2-6	201+8.8, 4.6' R	REMOVE 40'-4 WP, S-4CU, 1TR-25K-C4CU (#11923), RODGND.
70	U2-6	202+33.1, 35.4' L	INSTALL 105'-H2 SP, RA, TM-9R, T1DDE-795-C795-FG-X (DROP DIST. 2-FT EXTRA), 1TR-25K-C795 (#_____), (3) TDG-1F & (2) A-10TH (161KV), (2) DG-7/16" & (1) A-10DH (13KV), TXDE-1/0, DXDE-6, ADSS-DDE (RADIUS ADSS THRU TURN, DO NOT CUT ADSS). SET POLE 1-FT EXTRA DEEP.
71	U2-6	202+35.5, 67.2' L	EXISTING 35'-5 WP, DXDE-6, 100W PVT STLT W/ 4' ARM TO REMAIN.
72	U2-6	202+33.7, 4.2' R	REMOVE 40'-4 WP, S-4CU, 1TR-50K-C4CU (#6099), TXDE-1/0, TXDE-2, DXDE-6, RODGND. TRANSFER DUPLEX TO NEW POLE LOC. 70.
73	U2-6	102+17.6, 46.4' R	INSTALL 40'-4 WP, TXDE-1/0, (2) TXDE-2.
74	U2-6	124+98.4, 53.5' L	INSTALL 100'-H2 SP, TDDE-X, TM-9R, T1-795-FG-10, T1DE-795-C795-TAP-FG-X, ADSS-DDE (RADIUS ADSS THROUGH TURN, DO NOT CUT CABLE), (2) ADSS-SS, (4) TSG-1F, (1) HG-7/16".
74G	U2-6	124+47.3, 57.0' R	INSTALL 55'-2 DI, (4) TDG-1F & (3) A-10TH, RODGND.
75	U2-6	125+12.4, 3.6' L	REMOVE 50'-3 WP, T1-250CU-FG, ADSS-1.
76	U2-6	124+90.3, 44.2' R	REMOVE 90'-H1 SP, TBP-V, OHGW-1, TM-9R.
77	U2-6	126+32.5, 2.7' R	REMOVE 50'-3 WP, T1-250CU-FG, 1TR-25K-C250CU (#11791), TXDE-2, ADSS-1.
78	U2-6	127+7.3, 55.0' L	INSTALL 95'-H3 SP, TBP, T1-795-FG-X, TM-9R, DE-1/0AR-C795, 1CO-C795-40A, ADSS-1.
79	U2-6	125+89.3, 53.9' R	INSTALL 50'-3 WP, (1) DG-7/16" & (1) A-10DH.
80	U2-6	41+54.5, 116.1' L	EXISTING 30'-6 WP, DXDE-6, PVT LT TO REMAIN.
81	U2-6	127+69.0, 8.4' R	REMOVE 50'-3 WP, T1-250CU-FG, DE-4CU-C250CU-TAP, 1CO-C250CU-40A, (1) HG-3/8" (WEST), ADSS-1, RODGND.
82	U2-6	30+77.4, 12.6' R	REMOVE 45'-4 WP, S-4CU, (3) 1SDE-4CU, (1) HG-3/8" (SOUTH).
83	U2-6	31+80.6, 14.5' R	REMOVE 45'-4 WP, S-4CU, TXDE-2, (2) 1S-4CU. TRANSFER 100W STLT W/ 10' ARM TO NEW POLE LOC. 84.
84	U2-6	32+17.4, 14.5' R	INSTALL 45'-3 WP, SL-1/0AR, (2) TXDE-2, (2) DG-3/8" & (1) A-8SH, RODGND.
85	U2-6	33+6.9, 13.6' R	REMOVE 40'-4 WP, DE-4CU-NO/C, HG-3/8", (2) TXDE-2, 1TR-37K-NO/TR, RODGND. INSTALL 45'-3 WP, DE-1/0AR-NO/C, 1TR-37K-NO/TR, (3) TXDE-2, (1) DG-3/8" & (1) A-8SH), RODGND. TRANSFER 1TR-37K (#100675) AND EXISTING TRIPLEX TO NEW POLE.
86	U2-6	5+45.2, 18.5' R	INSTALL 35'-5 WP, (2) TXDE-2.
87	U2-6	129+33.8, 55.1' L	INSTALL 95'-H2 SP, TBP, T1-795-FG-X, ADSS-1, TM-9R.
88	U2-6	128+77.0, 14.5' R	REMOVE 50'-3 WP, T1-250CU-FG, (2) HG-3/8", ADSS-1.
89	U2-6	128+76.6, 59.8' R	REMOVE 35'-5 WP, (2) DG-3/8" & (1) A-8SH.
90	U2-6	129+33.0, 55.4' R	REMOVE 95'-H4 SP, TBP-V, OHGW-1, TM-9R.
91	U2-6	129+76.1, 45.3' R	REMOVE 35'-5 WP, (2) DG-3/8' & (1) A-8SH.
92	U2-6	129+73.4, 7.2' R	REMOVE 50'-3 WP, T2-250CU, 1TR-37K-C250CU (#8486),(2) HG-3/8", ADSS-1, RODGND.
93	U2-6	130+87.3, 15.8' L	REMOVE 50'-3 WP, T2-250CU-FG, T1DE-2CU-C250CU-FG-TAP, (1) DG-3/8" & (1) A-8SH, ADSS-1.
94	U2-6	41+40.1, 19.0' L	REMOVE 45'-4 WP, T2DDE-2CU-C2CU, 3CO-C250CU-SB (#332020), (2) TXDE-2, DXDE-6, (2) 1SDE-4CU, HG-3/8", RODGND. TRANSFER 100W PVT STLT W/ 4' ARM DUPLEX SERVICE, AND 1PH PRI & NEU (NORTH) TO NEW POLE LOC. 95.
95	U2-6	41+54.0, 18.7' L	INSTALL 45'-3 WP, T1DDE-1/0AR-C2CU-FG, TXDE-1/0, (2) TXDE-2, DXDE-6, (1) DG-3/8" & (1) A-8SH, 3CO-C1/0AR-SB, RODGND.
96	U2-6	42+41.5, 16.5' L	EXISTING 45'-4 WP, T1-2CU,(4) TXDE-2, 100W STLT W/ 6' ARM TO REMAIN. REMOVE (2) 1S-4CU. INSTALL (2) 1SDE-4CU, TXDE-1/0.
97	U2-6	131+38.1, 50.8' L	INSTALL 100'-H2 SP, TBP-V, T2-795-FG-X, T1DE-1/0AR-C795-TAP, TM-9R, (2) TDG-1F & (1) A-10TH (161 KV BISECT), (1) DG-7/16" & (1) A-10DH (13KV BISECT), ADSS-1.
98	U2-6	131+86.0, 12.2' L	REMOVE 50'-3 WP, T1DDE-250-C250CU-FG, TXDE-2, ADSS-1.
99	U2-6	132+77.1, 10.9' L	REMOVE 50'-3 WP, T1-250CU-FG, (3) TXDE-2, (1) DG-3/8" & (1) A-8SH, 1TR-37K-C250CU (#8296), ADSS-1, RODGND.
100	U2-6	133+0.0, 32.5' R	REMOVE 100'-1 SP, RA, (2) TSG-1F, TM-9R.
101	U2-6	132+95.0, 19.5' L	REMOVE 55'-2 SP, (2) TDG-1F & (2) A-10TH, TM-9R.
102	U2-6	132+92.7, 51.0' L	INSTALL 45'-3 WP, T2-795-FG, (1) DG-7/16" & (1) A-10DH, 1TR-15K-C795 (#_____), DXDE-6, RODGND, ADSS-1.
105	U2-6	0+94.9, 15.9' R	EXISTING 30'-5 WP, TXDE-2 (NORTH), 100W PVT STLT W/ 4' ARM TO REMAIN. REMOVE TXDE-2 (SOUTH). INSTALL DXDE-6.
108	U2-6	134+67.1, 7.5' L	REMOVE 50'-3 WP, T1-250CU-FG, (2) TXDE-2, ADSS-1. COORDINATE WITH SERVICE OWNER FOR REMOVAL OF METERED SERVICE RISER.
109	U2-6	134+66.1, 38.6' R	REMOVE 35'-5 WP, DXDE-6, (3) DG-7/16" & (2) A-10DH, DXDE-6.
110	U2-6	134+53.7, 8.6' L	REMOVE 50'-3 WP, T1-250CU, 10' X-ARM, T2DE-795-C250CU-TAP, (3) HG-7/16", (2) DXDE-6, ADSS-1.
111	U2-6	134+19.9, 52.5' L	INSTALL 110'-H2 SP, TBP-V, TM-9R, T2-795-FG-X (DROP DIST. 4-FT EXTRA), T1DE-795-C795-FG, (2) TDG-1F & (1) A-10TH (161 KV), (1) DG-7/16" & (1) A-10DH (13KV), ADSS-1.
112	U2-6	51+36.7, 16.7' L	REMOVE 45'-3 WP, T1-795, (2) 8'-XARMS, 1TR-75K-C795 (#39985), TXDE-2, DXDE-6, (5) 1SDE-4CU. TRANSFER EXISTING 3PH PRI & NEU, TRIPLEX, AND OW SECONDARY (NORTH) TO NEW POLE.
112A	U2-6	51+36.5, 23.6' L	INSTALL 45'-3 WP, T1DDE-795-C795-FG, 1TR-75K-C795 (#_____), (2) TXDE-2, (2) 1SDE-4CU, (3) DG-7/16" & (2) A-10DH, RODGND.
112B	U2-6	51+61.7, 16.9' L	REMOVE 45'-3 WP, T1-795, (5) TXDE-2, (2) 1S-4CU. INSTALL 45'-3 WP, T2-795-FG, (5) TXDE-2, (2) 1S-4CU, (1) HG-3/8".
112C	U2-6	51+60.6, 26.6' R	INSTALL 40'-4 WP, (1) DG-7/16" & (1) A-10DH.
113	U2-6	N/A	INSTALL 45'-3 WP, SL-1/0AR, (1) DG-3/8" & (1) A-8SH.
114	U2-6	N/A	REMOVE 40'-4 WP, T2DE-6CU-NO/C-2PH, DE-1/0AR-C6CU-TAP, HG-3/8", DXDE-6, 1SDE-6CU. INSTALL 45'-3 WP, DDE-1/0AR-C1/0AR, DE-1/0AR-C1/0AR-TAP, 1CO-C1/0AR-??A (NORTH), (2) DXDE-6, (1) DG-3/8" & (1) A-8SH, RODGND. TRANSFER EXISTING 1PH PRI & NEU, DUPLEX (WEST), & 250W STLT W/ 6' ARM TO NEW POLE.
115	U2-7	136+22.2, 47.5' L	REMOVE 30'-5 WP, 400W STLT W/ 4' ARM, (2) TXDE-2, DXDE-6. TRANSFER EXISTING DUPLEX TO NEW POLE LOC. 117.
116	U2-7	136+31.9, 10.2' L	REMOVE 50'-3 WP, C1A-250CU-C795, 1TR-37K-C795 (#58304), (2) DG-3/8" & (1) A-8SH, (2) TXDE-2, 100W PVT SLT W/ 4' ARM, ADSS-1, RODGND.
117	U2-7	136+36.0, 51.3' L	INSTALL 100'-H2 SP, RA, TM-9R, T1DDE-795-C795-FG-X (DROP DIST. 4-FT EXTRA), 1TR-15K-C795 (#_____), DXDE-6, (4) TDG-1F & (3) A-10TH (161KV), (2) DG-7/16" & (1) A-10DH (13KV), ADSS-DDE (RADIUS ADSS THRU TURN, DO NOT CUT ADSS).
118	U2-7	138+40.7, 64.9' R	REMOVE 60'-2 WP, A2-795, T1DE-1/0AR-C795-TAP, C1-1/0AR-C1/0AR-TAP-2PH, (2) 1CO-C1/0AR-40A, DXDE-6, 250W STLT W/ 6' ARM, RODGND.

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

POLE CONSTRUCTION NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-12

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

POLE CONSTRUCTION NOTES:

POLE LOCATION	SHEET NUMBER	STATION, OFFSET	CONSTRUCTION NOTES
119	U2-7	137+28.4, 26.3' L	REMOVE 50'-2 WP, A1-1/0AR, ADSS-DDE.
120	U2-7	139+82.6, 56.4' R	INSTALL 55'-3 WP, T1-795-FG.
121	U2-10	N/A	INSTALL 55'-3 WP, T2A-795-FG, T1DE-1/0AR-C795-TAP-2PH-FG, HG-3/8".
122	U2-7	N/A	REMOVE 40'-4 WP, T2DE-1/0AR-NO/C-2PH, (2) 1TR-15K-C1/0AR (#99090, #99049), QXDE-1/0, TXDE-2, DXDE-6, RODGND. TRANSFER TRIPLEX TO NEW POLE LOC. 123.
123	U2-7	N/A	INSTALL 45'-3 WP, T1DE-1/0AR-NO/C-FG-2PH, (2) 1TR-15K-C1/0AR (#_____, #_____), TXDE-2, QXDE-1/0, (2) DG-7/16" & (1) A-10DH, RODGND.
124	U2-7	137+66.2, 71.6' R	REMOVE 100'-H1 SP, TBP-V, OHGW-1, TM-9R.
125	U2-7	139+54.9, 88.8' R	REMOVE 55'-2 WP, A2-795, DE-1/0AR-C795-TAP, 1CO-C795-40A, HG-3/8", ADSS-1, RODGND.
126	U2-7	64+47.9, 29.4' L	REMOVE 35'-5 WP, TXDE-2.
127	U2-7	138+43.8, 81.4' R	INSTALL 100'-H2 SP, TDDE-X-795, TM-9R, T1DDE-795-C795-FG-X, T1DE-1/0AR-C795-FG-X, (12) TDG-1F & (6) A-10TH (161 KV), (3) DG-7/16" & (2) A-10DH (13KV), ADSS-DDE (RADIUS ADSS THRU TURN, DO NOT CUT ADSS). CUT & SPLICE EX. 161kV CONDUCTORS AND DE ON EAST SIDE OF NEW POLE.
128	U2-7	65+0.0, 33.4' R	REMOVE 45'-4 WP, A2-1/0AR, 1TR-50K-C1/0AR, TXDE-1/0, (2) TXDE-2, (2) DG-3/8" & (1) A-8SH, RODGND.
129	U2-7	65+1.1, 26.5' L	REMOVE 35'-5 WP, TXDE-2.
130	U2-7	64+69.6, 42.2' R	INSTALL 50'-3 WP, T2-1/0AR-FG, DE-1/0AR-C1/0AR-TAP, 1CO-C1/0AR-40A (#_____), 1TR-50K-C1/0AR (#_____), TXDE-1/0, (1) DG-7/16" & (1) A-10DH, RODGND.
131	U2-7	1+46.1, 16.9' R	EXISTING 45'-4 WP, (2) TXDE-2, DXDE-6, RODGND TO REMAIN. REMOVE DE-1/0AR-NO/C, (2) DG-3/8" & (1) A-8SH. INSTALL DE-1/0AR-NO/C, (2) DG-3/8" & (1) A-8SH. REPOSITION EXISTING 1TR-75K-C1/0AR (#55480) AS NEEDED TO PROVIDE CLEARANCE FOR PROPOSED PRIMARY DEADEND.
132	U2-10	N/A	REMOVE 40'-4 WP, (4) DG-7/16" & (4) A-10DH.
133	U2-10	N/A	EXISTING 105' ENGINEERED SP, RA-795, TM-9R, TO REMAIN. INSTALL ADSS-DE, ADSS-SSSE. REMOVE ADSS-DE, ADSSS-SS. CONNECT EXISTING ADSS TO PROPOSED ADSS.
134	U2-10	N/A	REMOVE 50'-3 WP, C1B-795-C795, (3) DG-7/16" & (2) A-10DH, (2) HG-3/8", DXDE-6, 250W STLT W/ 10' ARM.
135	U2-7	141+33.6, 55.0' R	INSTALL 55'-2 DI, T1DDE-795-C795-FG, (6) DG-7/16" & (4) A-10DH, RODGND.
136	U2-10	N/A	REMOVE 55'-3 WP, C1A-795-C795, 1TR-15K-C795 (#48318), (2) DG-7/16" & (1) A-10DH, (2) DXDE-6, RODGND.
137	U2-7	141+42.8, 47.3' L	REMOVE 40'-4 WP, (1) DG-3/8" & (1) A-8SH, DXDE-6, (2) 1SDE-6CU.
138	U2-7	2+27.5, 17.6' R	EXISTING 40'-4 WP, 100W STLT W/ 6' ARM TO REMAIN. REMOVE (2) 1SDE-6CU, (1) DG-3/8" & (1) A-8SH. INSTALL DXDE-6, (1) DG-3/8" & (1) A-8SH.
138A	U2-7	N/A	EX. WOOD POLE. INSTALL DXDE-6.
139	U2-7	143+1.5, 43.7' L	INSTALL 50'-2 DI, T1DDE-795-C795-FG, (2) DG-7/16" & (1) A-10DH, RODGND.
140	U2-7	142+95.5, 31.2' L	REMOVE 50'-3 WP, C1A-795-C795, (2) DG-7/16" & (1) A-10DH.
141	U2-7	N/A	REMOVE 35'-5 WP, QXDE-1/0, (4) 1SDE-4CU.
144	U2-9	204+40.5, 31.6' L	INSTALL 100'-H2 SP, TBP-V, TM-9R, T2A-795-FG-X, DE-1/0AR-C795-TAP, 1CO-C795-??A (#_____), (2) TDG-1F & (1) A-10TH (161 KV), (2) DG-7/16" & (1) A-10DH (13 KV), ADSS-1.
145	U2-9	203+17.3, 8.5' R	REMOVE 40'-4 WP, S-4CU, TXDE-1/0, (2) TXDE-2, (2) 1SDE-4CU.
146	U2-9	203+26.5, 46.1' R	INSTALL 35'-5 WP, TXDE-1/0, (2) TXDE-2.
147	U2-9	204+11.5, 56.5' R	INSTALL 40'-4 WP, DE-1/0AR-NO/C, 1TR-75K-C1/0AR (#_____), (2) TXDE-1/0, TXDE-2, DXDE-6, (1) DG-3/8" & (1) A-8SH, RODGND.
148	U2-9	204+31.6, 22.2' R	REMOVE 40'-4 WP, S-4CU, (4) 1SDE-4CU, TXDE-2. TRANSFER EXISTING TRIPLEX TO NEW POLE LOC. 147.
149	U2-9	205+18.9, 83.1' R	INSTALL 35'-5 WP, TXDE-1/0, (2) TXDE-2, DXDE-6.
150	U2-9	3+34.5, 25.0' L	INSTALL 35'-5 WP, (2) DXDE-6.
151	U2-9	2+3.9, 18.9' L	EXISTING 35'-5 WP, DXDE-6 TO REMAIN.
152	U2-9	206+4.0, 30.7' R	INSTALL 100'-H2 SP, RA, TM-9R, T1DDE-795-C795-FG-X, DE-1/0AR-C795-TAP, 1CO-C795-??A (#_____), (3) TDG-1F & (2) A-10TH (161 KV), (3) DG-7/16" & (2) A-10DH, ADSS-DDE (RADIUS ADSS THRU TURN, DO NOT CUT ADSS).
153	U2-9	3+51.5, 20.9' L	REMOVE 30'-5 WP, (2) DXDE-6. TRANSFER EXISTING 6 DX (SOUTHEAST) TO NEW POLE LOC. 150. CUT & SPLICE AS REQ'D.
154	U2-9	4+1.1, 5.9' R	REMOVE 45'-4, DDE-4CU-C4CU, DE-4CU-C4CU-TAP, (1) DG-3/8" & (1) A-8SH, (2) 1S-4CU, TXDE-2, DXDE-6. TRANSFER 100W STLT W/ 6' ARM TO NEW POLE LOC. 150.
155	U2-9	4+65.1, 16.5' R	INSTALL 45'-3 WP, LL-1/0AR, (2) TXDE-2, (1) DG-3/8" & (1) A-8SH, RODGND.
156	U2-9	5+9.4, 15.7' R	EXISTING 45'-4 WP, 100W STLT W/ 4' ARM TO REMAIN. REMOVE S-4CU, (2) 1S-4CU. INSTALL DDE-1/0AR-C4CU, (2) 1SDE-4CU, TXDE-2.
158	U2-9	207+83.2, 29.1' R	INSTALL 100'-H2 SP, TBP-V, TM-9R, T2-795-FG-X, 1TR-25K-C795 (#_____), TXDE-2, (3) TDG-1F & (2) A-10TH (161KV), (1) DG-7/16" & (1) A-10DH (13KV), ADSS-1.
159	U2-9	207+53.2, 76.1' R	REMOVE 45'-4 WP, DE-4CU-NO/C, TXDE-2, 1TR-25K-C1/0AR (#24377), (1) DG-3/8" & (1) A-8SH. INSTALL 35'-5 WP, (2) TXDE-2.
160	U2-9	209+69.2, 34.1' R	INSTALL 100'-H2 SP, TDDE-X, TM-9R, T1DE-795-NO/C-FG-X, T1DE-795-C795-FG-X-TAP, TXDE-2, DXDE-6, 1TR-15K-C795 (#_____), (6) TDG-1F & (4) A-10TH (161KV), (5) DG-7/16" & (3) A-10DH (13KV), ADSS-DDE (RADIUS ADSS THRU TURN, DO NOT CUT ADSS).
161	U2-9	210+28.7, 41.2' L	REMOVE 50'-3 WP, T2-250CU, (2) TXDE-1/0, DXDE-6, ADSS-1. INSTALL 100'-H2 SP, TDDE-X, TM-9R, T1-795-FG-X, T1DE-795-C795-FG-TAP-X, (2) DXDE-6, ADSS-DDE (RADIUS ADSS THRU TURN, DO NOT CUT ADSS. INSTALL 5-FT BELOW NEUTRAL), (8) TDG-1F & (6) A-10TH (161KV), (2) DG-7/16" & (1) A-10DH (13KV). TRANSFER EX. DUPLEX TO NEW POLE.
162	U2-9	210+83.19, 15.0' L	REMOVE 100'-H2 SP, TBP, OHGW-1, T1-250CU-FG-X, TXDE-1/0, TXDE-2, ADSS-1. TRANSFER 250W STLT W/ 15' ARM TO NEW POLE LOC. 164.
164	U2-9	210+89.4, 30.22' R	INSTALL 35'-5 WP, (2) TXDE-2.
165	U2-9	212+16.0, 30.0' R	INSTALL 95'-H4 SP, TBP-1, TM-9R, T2-795-FG-X (DROP DIST. 10-FT EXTRA), TXDE-1/0, TXDE-2, ADSS-1 (INSTALL 4-FT BELOW NEUTRAL).
166	U2-9	213+22.3, 30.9' R	INSTALL 50'-3 WP, T2-795-FG, 1TR-50K-C795 (#_____), (2) TXDE-1/0, TXDE-2, DXDE-6, (1) DG-7/16" & (1) A-10DH, ADSS-1, RODGND.
167	U2-9	212+79.3, 37.1' L	EXISTING 40'-4 WP, (1) DG-3/8" & (1) A-8SH TO REMAIN. REMOVE QXDE-4/0. INSTALL TXDE-1/0.
168	U2-9	73+1.7, 19.8' R	REMOVE 100'-H4 SP, TBP-V, TM-9R, T1-250CU-X, 1TR-10K-C250CU (#11824), TXDE-2, (2) DXDE-6, ADSS-DDE, ADSS-TSSSE. TRANSFER EXISTING TRIPLEX AND DUPLEX (NORTH) TO NEW POLE LOC. 169.
169	U2-9	73+5.1, 28.4' R	INSTALL 50'-3 WP, T1-795-FG, 1TR-15K-C795 (#_____), TXDE-2, (2) DXDE-6, RODGND.
171	U2-9	74+9.0, 21.6' R	REMOVE 50'-3 WP, T1-250CU, 1TR-50K-C250CU (#100540), TXDE-1/0, TXDE-2, ADSS-1, RODGND. TRANSFER EXISTING TRIPLEX TO NEW POLE LOC. 172.
172	U2-9	74+4.4, 28.3' R	INSTALL 50'-3 WP, T1-795-FG, 1TR-50K-C795 (#_____), TXDE-1/0, TXDE-2, RODGND.
173	U2-9	75+0.0, 20.6' R	REMOVE 50'-3 WP, T1-250CU, TXDE-1/0, TXDE-2, DXDE-6, ADSS-1. TRANSFER EXISTING TRIPLEX, DUPLEX, AND 250W STLT W/ 6' ARM TO NEW POLE LOC. 174.
174	U2-9	75+3.8, 27.9' R	INSTALL 50'-3 WP, T1-795-FG, TXDE-1/0, TXDE-2, DXDE-6.
176	U2-9	75+95.8, 21.7' R	REMOVE 95'-H2 SP, TBP, TM-9R, T1-250CU-X-FG, TXDE-1/0, TXDE-2, ADSS-1. TRANSFER TRIPLEX SERVICE & 250W STLT W/ 6' ARM TO NEW POLE LOC. 177.
177	U2-9	76+8.5, 27.7' R	INSTALL 50'-3 WP, T1-795-FG, TXDE-1/0, TXDE-2.
178	U2-9	77+4.1, 20.5' R	REMOVE 50'-3 WP, T2-250CU, (2) TXDE-1/0, TXDE-2, ADSS-1. TRANSFER EXISTING TRIPLEX SERVICE TO NEW POLE LOC. 179.
179	U2-9	77+11.8, 27.5' R	INSTALL 50'-3 WP, T1-795-FG, 1TR-25K-C795 (#_____), TXDE-1/0, TXDE-2.
180	U2-9	78+0.1, 8.9' L	REMOVE 50'-3 WP, T2-250CU, 1TR-37K-C250CU (#15572), (2) TXDE-1/0, ADSS-1, RODGND. TRANSFER 250W STLT W/ 6' ARM TO NEW POLE LOC. 179.
181	U2-9	212+17.5, 20.8' R	REMOVE 45'-4 WP, T2-250CU, TXDE-1/0, TXDE-2. TRANSFER TRIPLEX SERVICE, 250W STLT W/ 6' ARM, AND ADSS CABLE TO NEW POLE LOC. 165.
182	U2-9	213+17.0, 21.6' R	REMOVE 50'-3, T2-250CU, 1TR-50K-C250CU (#96530), QXDE-4/0, TXDE-1/0, TXDE-2, DXDE-6, ADSS-1, RODGND. TRANSFER TRIPLEX SERVICE TO NEW POLE LOC. 166.
183	U2-9	213+19.0, 21.0' L	EXISTING 35'-5 WP TO REMAIN. REMOVE DXDE-6. INSTALL DXDE-6.
184	U2-9	204+21.8, 41.6' R	REMOVE 40'-4 WP, S-4CU, 1TR-37K-C4CU (#5257), (2) TXDE-2, (2) 1S-4CU, RODGND. TRANSFER 100W STLT & 6' ARM TO NEW POLE LOC. 149.
185	U2-9	N/A	REMOVE 45'-3 WP, T2-250CU, 1TR-37K-C250CU (#14848), (4) 1SDE-4CU (N.I.S.), (3) 1SDE-4CU, (2) DXDE-6, ADSS-1, RODGND. TRANSFER DUPLEX TO NEW POLE LOC. 185A.
185A	U2-9	N/A	INSTALL 45'-3 WP, T1-795-FG, 1TR-15K-C795 (#_____), TXDE-2, (2) DXDE-6, ADSS-1, RODGND.
186	U2-9	N/A	REMOVE 50'-3 WP, T2DDE-250CU-C250CU, T2DE-250CU-NO/C, SW/DISC-900A-C250CU (#CS1114), (1) DG-7/16" & (1) A-10DH, (2) DXDE-6, ADSS-1, RODGND. INSTALL 50'-2 DI, T1DDE-795-NO/C-FG (TOP), SW/GROUP-900A-C795 (#CS1114, PER KUB DWG-16700-HSW2), T1DE-795-NO/C-FG (BOT), (2) DG-7/16" & (1) A-10DH, (2) DXDE-6, ADSS-1, RODGND. TRANSFER DUPLEX SERVICE, 250W STLT W/ 6' ARM, & EX. 3PH 250CU PRI & NEUT (NORTH) TO NEW POLE.
187	U2-9	N/A	REMOVE 100'-H2 SP, TBP, TM-9R, T1-250CU-FG (3 EXTRA INSULATORS), SW/GROUP-900A-C250CU-FG (#CS3210), (2) DG-7/16" & (1) A-10DH, TXDE-2, TXDE-1/0, ADSS-1. INSTALL 100'-H4 SP, TBP, TM-9R, T2-250CU-FG-X (3 EXTRA INSULATORS), SW/GROUP-900A-C250CU (#CS3210), (2) DG-7/16" & (1) A-10DH, TXDE-1/0, TXDE-2, ADSS-1. TRANSFER EXISTING HEADGUYS TO NEW POLE.
187A	U2-9	N/A	EXSTING 60'-F CP, T1-250CU-FG-X, T1DE-250CU-NO/C-FG-X (SHARES X'ARM WITH T1-250CU), T1DE-795-C250CU-TAP-FG, T1DE-1590-NO/C-FG (MID BOT), T1DE-1590-C1590-ANG-FG (BOT), (2) HG-3/8", (2) HG-7/16", (2) TXDE-1/0, TXDE-2, (2) DG-3/8", DG-7/16", A-10DH, 250W STLT TO REMAIN. INSTALL ADSS-1. REMOVE ADSS-1.
187B	U2-9	N/A	EXISTING 50'-3 WP, T1-250CU-FG-X, T2-1590-FG-X, 1TR-37K-C795 (#14824), (2) TXDE-2, (2) TXDE-1/0, (2) DG-3/8" & (1) A-10DH TO REMAIN. INSTALL ADSS-1. REMOVE ADSS-1.
187C	U2-9	N/A	EXISTING 100'-H2 SP, TBP, TM-9R, T1-250CU-FG-X, T2-1590-FG-X. (2) TXDE-2, TXDE-1/0, 250W STLT TO REMAIN. INSTALL ADSS-DDE, ADSS-TSSSE. REMOVE ADSS-DDE, ADSS-TSS. TRANSFER EXISTING ADSS (NORTH) TO NEW POLE AND CONNECT TO PROPOSED ADSS.
188	U2-6	N/A	EXISTING 45'-3 WP TO REMAIN. REMOVE T1-6CU-FG-2PH, 1S-6CU. INSTALL S-1/0AR, (2) DXDE-6.
189	U2-6	N/A	REMOVE 40'-4 WP, T1-6CU-2PH, DE-6CU-C6CU, 1S-6CU, 1SDE-6CU. INSTALL 45'-3 WP, S-1/0AR, DE-6CU-C1/0AR-TAP, (3) DXDE-6. TRANSFER HG-3/8", 1PH PRI & NEU TO NEW POLE.
189A	U2-6	N/A	EXISTING 40'-4 WP TO REMAIN. REMOVE 1SDE-6CU, NDE-6CU-NO/C. INSTALL DXDE-6.
190	U2-6	N/A	REMOVE 45'-4 WP, T1-6CU-2PH, 1S-6CU. INSTALL 45'-3 WP, S-1/0AR, 1TR-15K-1/0AR (#_____), (2) DXDE-6, RODGND.
191	U2-6	80+26.6, 15.9' R	REMOVE 40'-5 WP, T1-6CU-2PH, DXDE-6, (2) 1SDE-6CU (ONLY 1 IN SERVICE). INSTALL 45'-3 WP, S-1/0AR, (2) DXDE-6. TRANSFER DUPLEX TO NEW POLE.
192	U2-6	81+75.2, 15.7' R	REMOVE 40'-5, T1-6CU-2PH, (2) TXDE-2. INSTALL 45'-3 WP, S-1/0AR, (2) TXDE-2. TRANSFER TRIPLEX, 250W STLT W/ 6' ARM TO NEW POLE.
193	U2-6	82+76.7, 15.7' R	REMOVE 40'-5 WP, T1-6CU-2PH, (3) TXDE-2, HG-3/8". INSTALL 45'-3 WP, S-1/0AR, (3) TXDE-2.
193A	U2-6	82+75.9, 36.6' L	REMOVE 30'-5 WP, (2) DG-3/8" & (1) A-8SH.
194	U2-6	83+72.9, 18.5' R (Proposed)	REMOVE 55'-3 WP, T1-6CU-2PH, 1TR-50K-C1/0AR (#?????), (2) TXDE-2, RODGND. INSTALL 55'-3 WP, S-1/0AR, 1TR-50K-1/0AR (#_____), (2) TXDE-2, RODGND. TRANSFER TRIPLEX, 150W STLT W/ 6' ARM TO NEW POLE.
195	U2-10	85+26.8, 23.9' R	INSTALL 55'-3 WP, S-1/0AR, 1TR-25K-C1/0AR (#_____), TXDE-2, DXDE-6, HG-3/8", RODGND.
196	U2-10	87+5.8, 26.9' L	INSTALL 60'-3 WP, T2A-795-FG, (2) DE-1/0AR-C795-TAP, (2) 1CO-C795-40A, DXDE-6, (4) DG-7/16" & (2) A-10DH (795AA BISECT), (1) DG-3/8" & (1) A-8SH (NORTH), RODGND.
197	U2-10	89+26.3, 56.1' L	INSTALL 45'-3 WP, LL-1/0AR, (1) DG-3/8" & (1) A-8SH.
198	U2-10	92+1.1, 26.7' L	EXISTING 40'-4 WP (AT&T). REMOVE DE-1/0AR-NO/C, 1TR-25K-C1/0AR (#36250), TXDE-2, (2) 1SDE-4CU, RODGND. INSTALL 45'-3 WP, DE-1/0AR-NO/C, 1TR-25K-C1/0AR (#_____), TXDE-2, DXDE-6, (1) DG-3/8 & (1) A-8SH, RODGND. TRANSFER 250W STLT W/ 6' ARM & TRIPLEX TO NEW POLE.
198A	U2-10	92+50.6, 43.1' L	REMOVE 30'-5 WP, (2) TXDE-2. INSTALL 35'-5 WP, (2) TXDE-2. TRANSFER TRIPLEX TO NEW POLE.
199	U2-10	93+3.7, 17.1' L	INSTALL 35'-5 WP, (2) DXDE-6.
200	U2-10	94+14.5, 18.2' L	INSTALL 35'-5 WP, DXDE-6, (1) DG-3/8" & (1) A-8SH.
201	U2-10	1+17.7, 35.1' L	INSTALL 55'-3 WP, T2A-795-FG, 3TR-25K-C795 (#_____, #_____, #_____), QXDE-4/0, QXDE-1/0, DXDE-6, (3) DG-7/16" & (2) A-10DH, RODGND.
202	U2-10	2+56.3, 29.8' L	INSTALL 50'-3 WP, T2-795-FG, DE-1/0AR-C795-TAP, 1CO-C795-40A (#_____), 1TR-37K-C795 (#_____), TXDE-1/0, TXDE-2, (1) DG-3/8" & (1) A-8SH, RODGND.
203	U2-10	308+85.1, 31.3' R (Proposed)	REMOVE 45'-3 WP, A1-1/0AR, 1TR-37K-C1/0AR (#3668), (2) TXDE-1/0, TXDE-2, RODGND. INSTALL 45'-3 WP, T1-795-FG, 1TR-37K-C795 (#_____), (2) TXDE-1/0, TXDE-2, RODGND.
204	U2-10	307+93.4, 30.9' R	INSTALL 50'-3 WP, T1DE-795AA-C1/0AR-FG-TAP, T1-1/0AR-FG, TXDE-1/0, (2) TXDE-2, (3) DG-7/16" & (2) A-10DH.
204A	U2-10	307+97.2, 45.1' L	REMOVE 45'-3 WP, C1-1/0AR-NO/C, C1-6CU-C1/0AR-STR-2PH, (2) DG-3/8" & (1) A-8SH.
205	U2-10	1+29.9, 26.8' R	REMOVE 35'-5 WP, (2) QXDE-1/0, DXDE-6, (1) DG-3/8" & (1) A-8SH. INSTALL 35'-5 WP, (2) QXDE-1/0, DXDE-6, (1) DG-3/8" & (1) A-8SH. TRANSFER 250W STLT W/ 4' ARM, QUADRUPLEX, AND DUPLEX TO NEW POLE.
206	U2-10	1+83.7, 27.3' R	REMOVE 30'-5 WP, (2) QXDE-4/0, (2) TXDE-2, DXDE-6. INSTALL 35'-5 WP, (2) QXDE-4/0, (2) TXDE-2, DXDE-6. TRANSFER SERVICE CONDUCTORS TO NEW POLE.
207	U2-10	309+2.3, 53.8' L	REMOVE 35'-5 WP, TXDE-2, (3) ISDE-4CU. INSTALL 35'-5 WP, (2) TXDE-1/0, TXDE-2. TRANSFER TRIPLEX SERVICE TO NEW POLE.
208	U2-10	309+31.9, 40.1' L	REMOVE 35'-5 WP, TXDE-2, (3) ISDE-4CU. INSTALL 35'-5 WP, TXDE-1/0, TXDE-2. TRANSFER TRIPLEX SERVICE TO NEW POLE.
209	U2-10	310+37.3, 32.0' R	INSTALL 45'-3 WP, SL-1/0AR, (2) DG-3/8" & (1) A-8SH.
210	U2-10	0+93.6, 9.0' R (Proposed)	REMOVE 40'-4 WP, S-6CU, 1TR-25K-C6CU (#37759), (2) TXDE-2, & (2) 1SDE-4CU, RODGND. INSTALL 45'-3 WP, DDE-1/0AR-C6CU, 1TR-25K-C1/0AR (#_____), (2) TXDE-2, (1) DG-3/8" & (1) A-8SH (WEST), (1) DG-3/8" & (1) A-8SH (SOUTH), RODGND. TRANSFER TRIPLEX SERVICES TO NEW POLE. CUT & SPLICE EXISTING 6CU PRIMARY & NEUTRAL AS NEEDED.

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

POLE CONSTRUCTION NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-13

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

POLE CONSTRUCTION NOTES:

POLE LOCATION	SHEET NUMBER	STATION, OFFSET	CONSTRUCTION NOTES
212	U2-10	308+77.3, 23.7' L	REMOVE 35'-5 WP, TXDE-1/0, (2) TXDE-2. INSTALL 35'-5 WP, TXDE-1/0, (2) TXDE-2. TRANSFER TRIPLEX TO NEW POLE.
213	U2-10	N/A	EXISTING 45'-3 WP, 1SDE-4CU, DXDE-6, & 100W STLT W/ 6' ARM TO REMAIN. REMOVE T1-6CU-FG-2PH. INSTALL T1DE-1/0AR-NO/C-FG, T1DE-6CU-FG-2PH-STR, (2) DG-7/16" & (1) A-10DH. SPLICE & DEADEND EXISTING 2PH 6CU PRIMARY & NEUTRAL.
214	U2-10	N/A	REMOVE 40'-4 WP, C1-1/0AR-NO/C, 1TR-25K-C1/0AR (#58369), HG-3/8", (3) TXDE-2, RODGND. INSTALL 45'-3 WP, T1DE-1/0AR-NO/C-FG, 1TR-25K-1/0AR (#_____), HG-7/16", (3) TXDE-2, RODGND. TRANSFER 150W STLT W/ 6' ARM & TRIPLEX TO NEW POLE.
215	U2-10	N/A	REMOVE 35'-5 WP, (1) DG-3/8" & (1) A-8SH. INSTALL 35'-5 WP, (2) DG-7/16" & (1) A-10DH.
216	U2-7	66+49.3, 36.7' R	INSTALL 50'-3 WP, T1-1/0AR-FG, 3TR-25K-1/0AR (#_____, #_____, #_____), QXDE-1/0, (2) TXDE-1/0, RODGND.
216A	U2-7	66+33.3, 29.8' L	EXISTING 35'-5 WP, (2) TXDE-2 TO REMAIN. INSTALL TXDE-1/0. REMOVE TXDE-1/0.
217	U2-7	66+49.4, 23.9' R	REMOVE 45'-4 WP, A2-1/0AR, 3TR-25K-1/0AR (#68415, #68416, #68418), QXDE-1/0, (2) TXDE-1/0, RODGND.
219	U2-7	67+51.9, 33.5' R	INSTALL 45'-3 WP, T2-1/0AR-FG, (5) TXDE-2, (1) DG-7/16" & (1) A-10DH, RODGND.
220	U2-7	67+52.0, 23.2' R	REMOVE 45'-4 WP, A2-1/0AR, (5) TXDE-2, (1) DG-3/8" & (1) A-8SH. TRANSFER TRIPLEX TO NEW POLE LOC. 219.
221	U2-7	144+85.4, 40.9' L (Proposed)	REMOVE 50'-3 WP, A1-795, TXDE-1/0, DXDE-6, 1S-4CU. INSTALL 50'-3 WP, T2-795-FG, TXDE-1/0, DXDE-6. TRANSFER 3PH PRI & NEUT, TRIPLEX TO NEW POLE.
221A	U2-7	145+88.0, 35.4' L	EXISTING 50'-3 WP TO REMAIN. REMOVE 1S-4CU. INSTALL HG-3/8", DXDE-6, 1SDE-4CU. CUT & SPLICE EXISTING OW SEC (EAST) AS REQUIRED.
221B	U2-7	146+3.3, 42.5' R	INSTALL 40'-4 WP, (2) DG-7/16" & (1) A-10DH.
221C	U2-7	144+99.0, 39.8' R	REMOVE 40'-4 WP, DXDE-6.
222	U2-10	85+40.7, 82.8' R	REMOVE 55'-3 WP, C1A-6CU-C6CU-2PH, 1TR-25K-6CU (#?????), (2) TXDE-2, (2) HG-3/8", RODGND. TRANSFER 150W STLT W/ 6' ARM AND TRIPLEX (WEST) TO NEW POLE LOC. 195.
223	U2-10	87+78.7, 1.7' L	REMOVE 60'-1 WP, C1A-1/0AR-C1/0AR, C1-6CU-C1/0AR-TAP-2PH, DE-1/0AR-C1/0AR-TAP, 1CO-C1/0AR-40A (#321527), DXDE-6, (2) DG-3/8" & (1) A-8SH, RODGND. TRANSFER 250W STLT W/ 6' ARM TO POLE LOC. 196.
224	U2-10	88+96.9, 18.9' L	EXISTING 45'-4 WP (AT&T). REMOVE DDE-1/0AR-C1/0AR, 1TR-37K-C1/0AR (#5325), (1) DG-3/8" & (1) A-8SH, TXDE-2, 250W STLT W/ 6' ARM, RODGND.
225	U2-10	94+28.3, 13.7' L	EXISTING 35'-5 WP (AT&T). REMOVE HG-3/8", (2) 1SDE-4CU. TRANSFER 100W STLT TO NEW POLE LOC. 200.
227	U2-10	1+85.1, 28.8' L	REMOVE 55'-3 WP, A1-1/0AR, 3TR-15K-1/0AR (#57318, 57564, 57547), QXDE-4/0, QXDE-1/0, (2) TXDE-2, DXDE-6. TRANSFER 250W STLT W/ 6' ARM TO NEW POLE LOC. 206.
228	U2-10	309+83.7, 8.8' R	REMOVE 45'-3 WP, A1-1/0AR, DE-6CU-C1/0AR-TAP, 1CO-C1/0AR-40A (#331528), 1TR-37K-C1/0AR (#5457), TXDE-2, (8) 1SDE-4CU, RODGND.
229	U2-10	307+70.4, 25.9' R	REMOVE 45'-3 WP, C1-1/0AR-NO/C, (2) TXDE-2, TXDE-1/0, (2) DG-7/16" & (1) A-10DH. TRANSFER 150W STLT W/ 6' ARM TO NEW POLE LOC. 204.
229A	U2-10	307+62.3, 21.6' L	EXISTING 35'-5 WP, TXDE-2 TO REMAIN. INSTALL TXDE-2. REMOVE TXDE-2.
230	U2-10	N/A	EXISTING 105'-H7 SP, TBP-V, TM-9R, ADSS-DDE, ADSS-TSSE TO REMAIN.
231	U2-10	317+10.9, 33.1' R	INSTALL 70'-H2 SP, TBP, TM-9R, ADSS-1.
232	U2-7	68+52.7, 13.4' R	REMOVE 45'-4 WP, A2-1/0AR, HG-3/8", 1TR-50K-C1/0AR (#17859), (6) TXDE-2, RODGND. TRANSFER TRIPLEX TO NEW POLE LOC. 233.
232A	U2-7	68+48.0, 87.6' L	REMOVE 35'-5 WP, (1) DG-3/8" & (1) A-8SH.
232B	U2-7	70+3.3, 13.9' R	REMOVE 45'-4 WP, A1-1/0AR, C1-1/0AR-C1/0AR-TAP, 3CO-C1/0AR-SB (#?????), (2) TXDE-2, DXDE-6, HG-3/8", RODGND. INSTALL 45'-3 WP, T1-1/0AR-FG, T1DE-1/0AR-C1/0AR-FG-TAP, 3CO-C1/0AR-SB (#?????), (2) TXDE-2, DXDE-6, (2) HG-3/8", RODGND. TRANSFER EXISTING CONDUCTORS AND 150W STLT W/ 6' ARM TO NEW POLE.
232C	U2-7	70+1.7, 134.1' L	REMOVE 35'-5 WP, (3) TXDE-2, (2) DG-3/8" & (1) A-8SH. INSTALL 40'-4 WP, (3) TXDE-2, (3) DG-7/16" & (2) A-10DH.
233	U2-7	68+55.6, 25.4' R	INSTALL 45'-3 WP, T1-1/0AR-FG, 1TR-50K-C1/0AR (#_____), (6) TXDE-2, RODGND. CUT & SPLICE EXISTING 3PH 1/0AR PRI & NEUT TO NEW 3PH 1/0AR PRI & NEUT.

KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

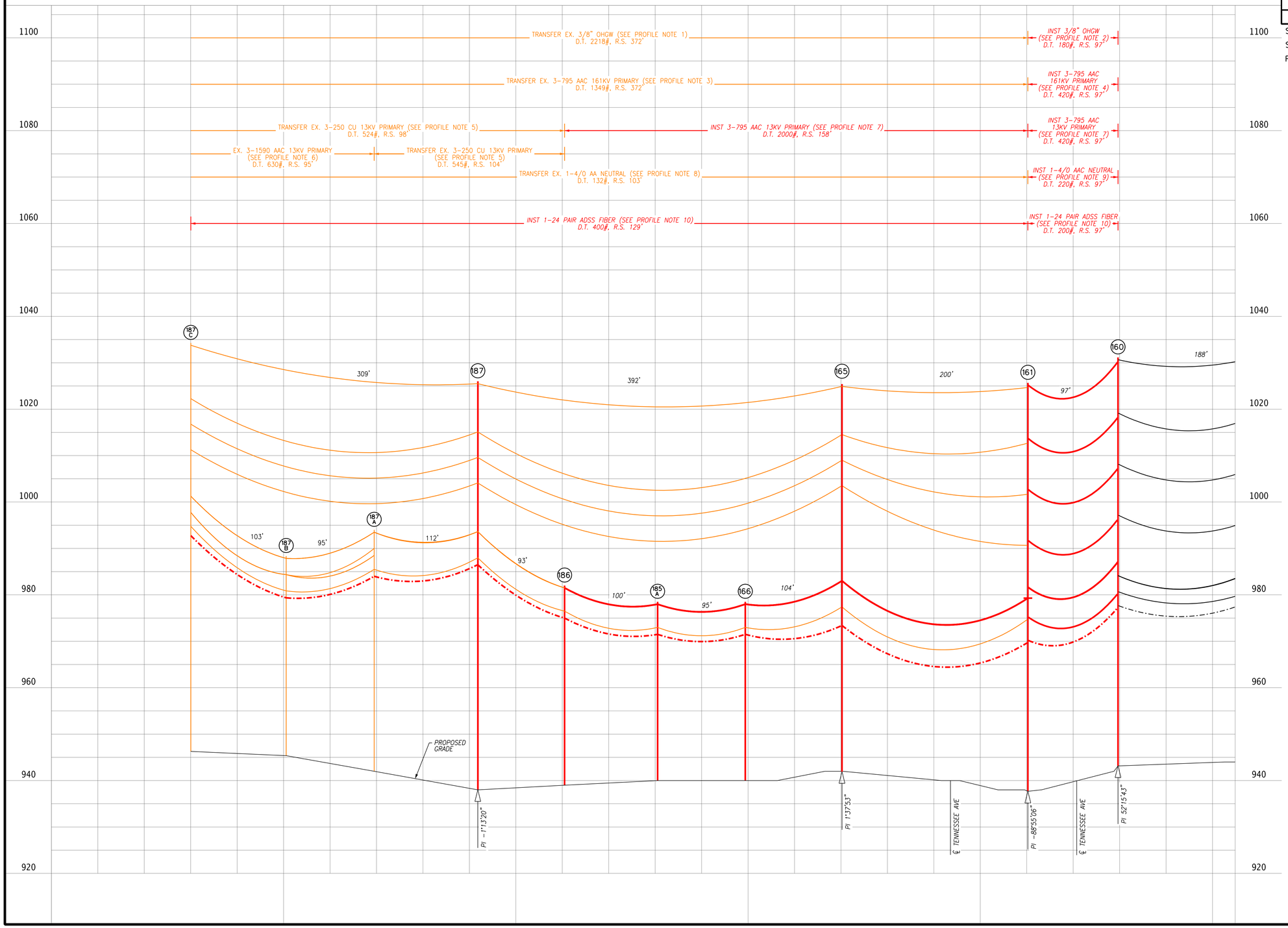
POLE CONSTRUCTION NOTES

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND PROFILE NOTES.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-13

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

161KV PROFILE

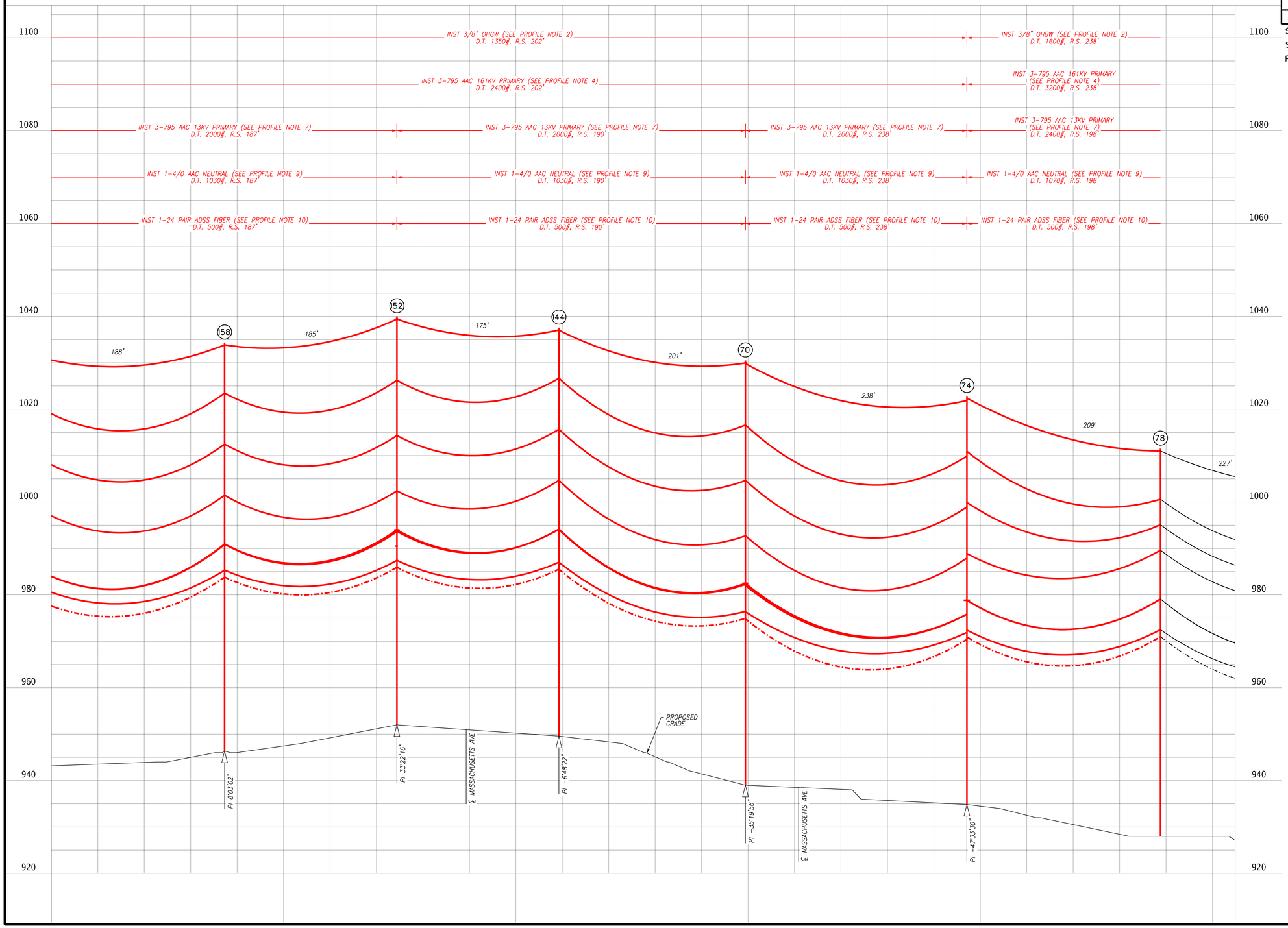
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND PROFILE NOTES.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-14

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

161KV PROFILE

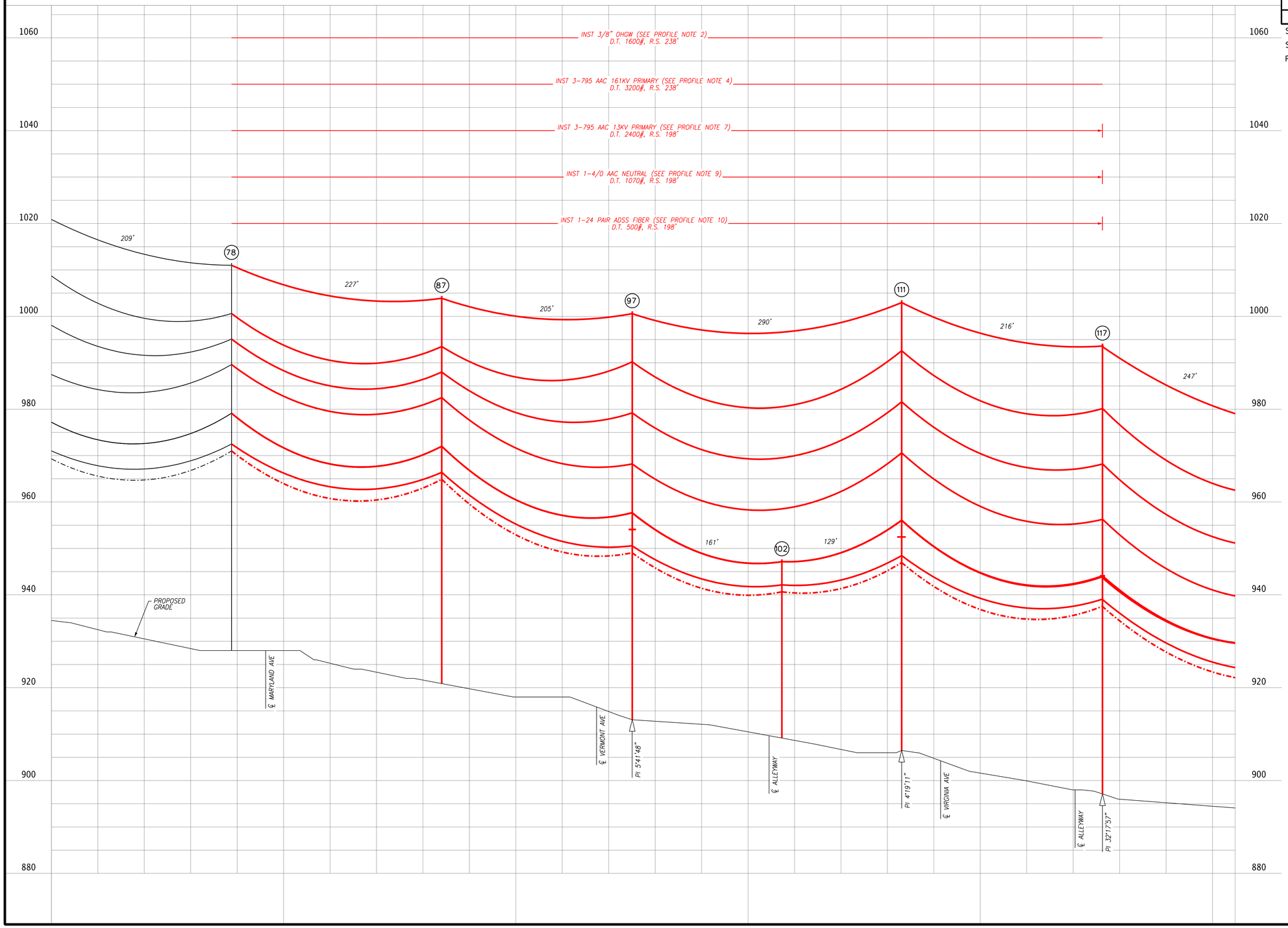
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND PROFILE NOTES.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-14

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00



KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

161KV PROFILE

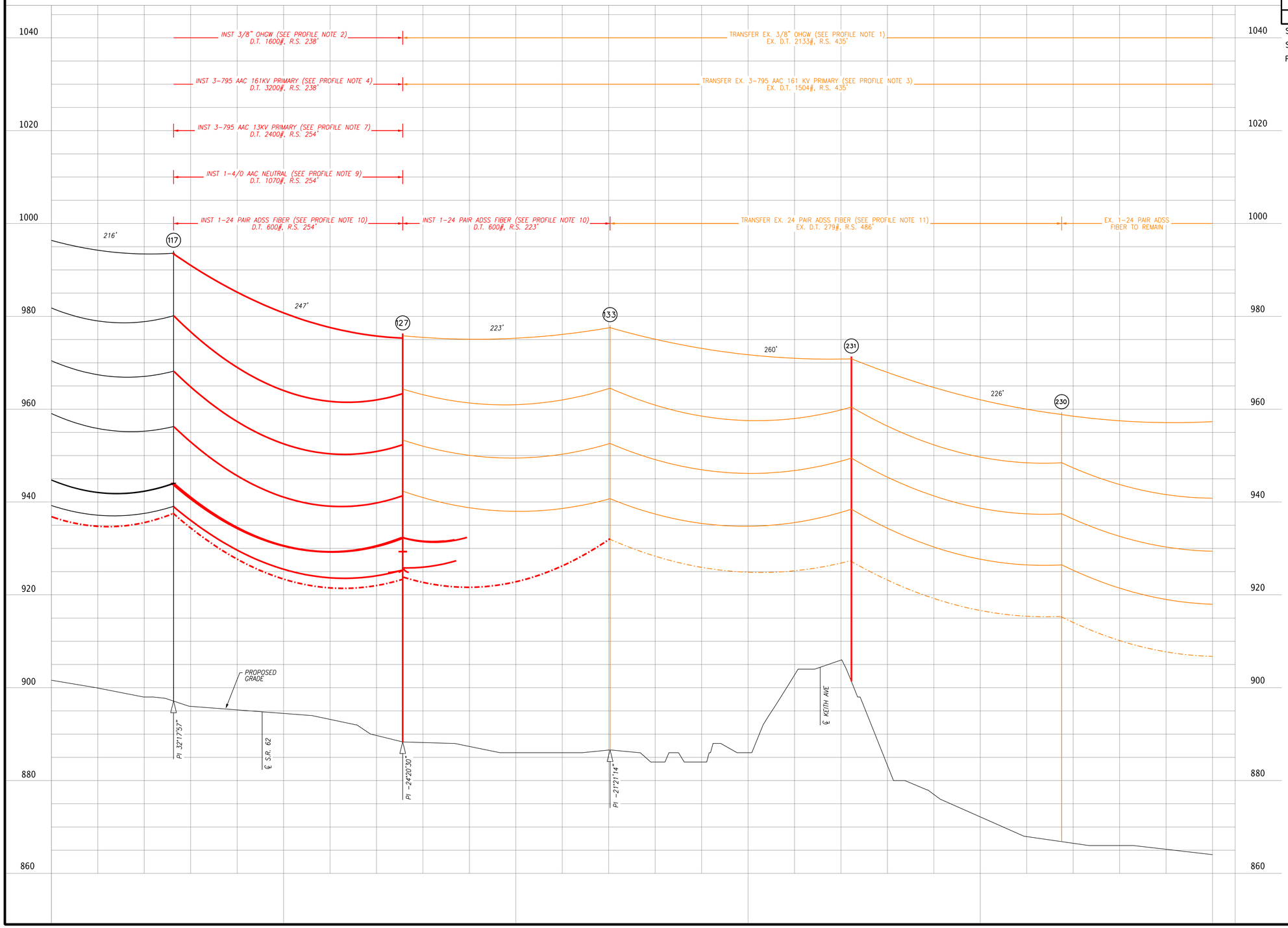
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

NOTES:

1. REFERENCE SHEET U2-2 FOR GENERAL NOTES AND PROFILE NOTES.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-14

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

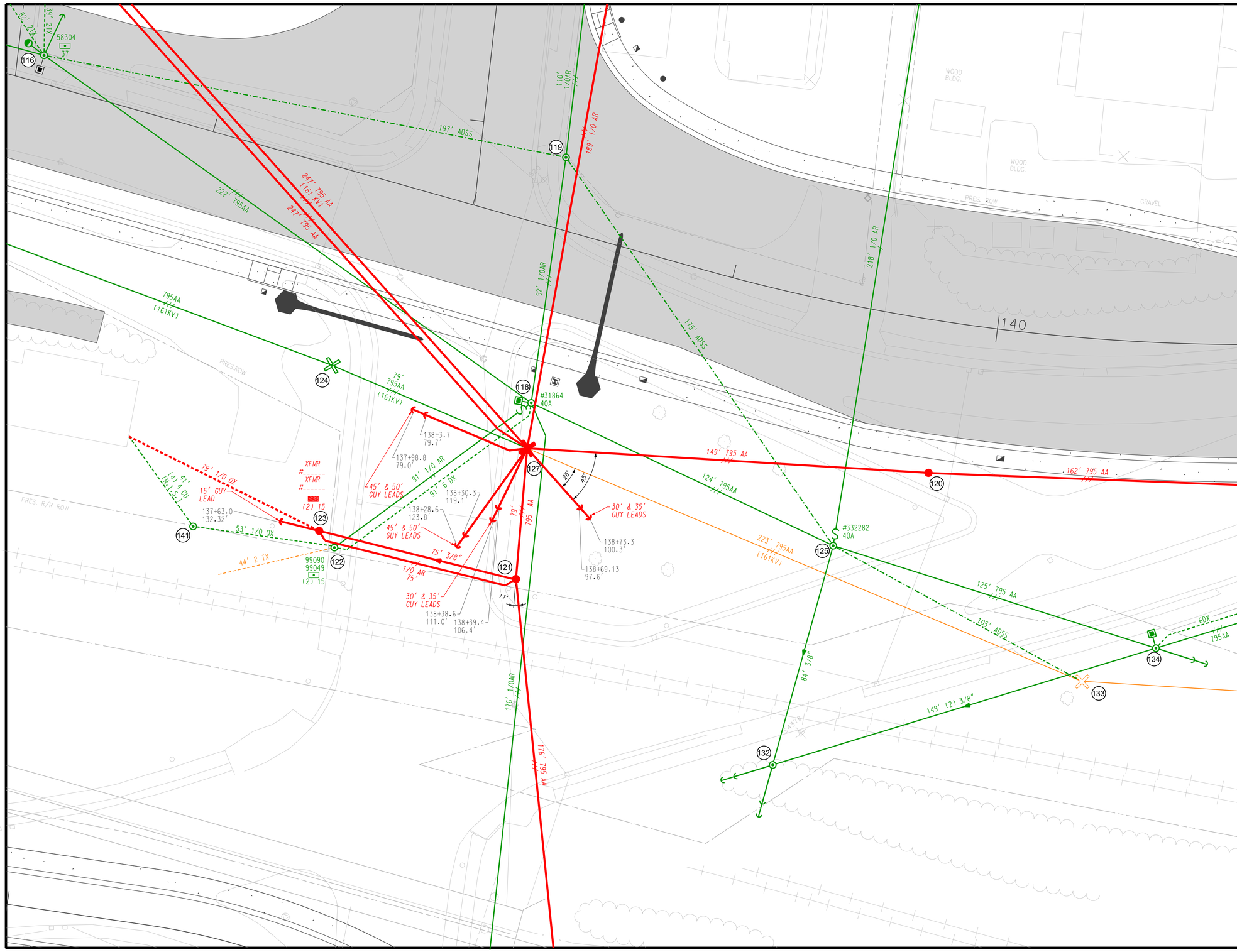


KNOXVILLE UTILITIES BOARD

ELECTRICAL RELOCATION

161KV PROFILE

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	

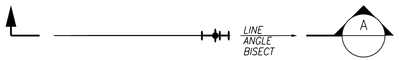
S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

KNOXVILLE UTILITIES BOARD

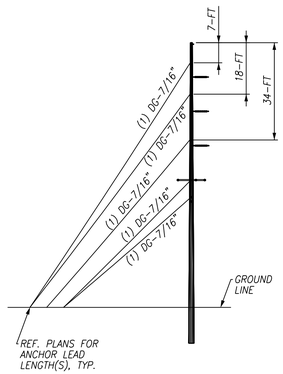
ELECTRICAL RELOCATION

DETAIL 1

N.T.S.



TOP VIEW

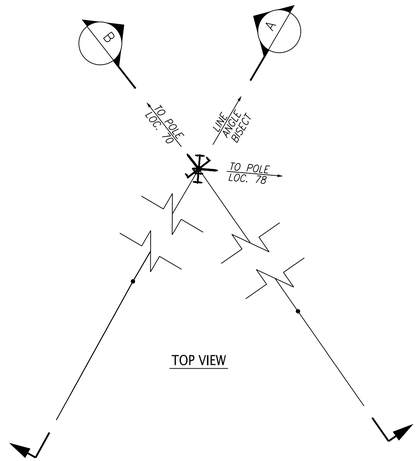


SECTION A-A

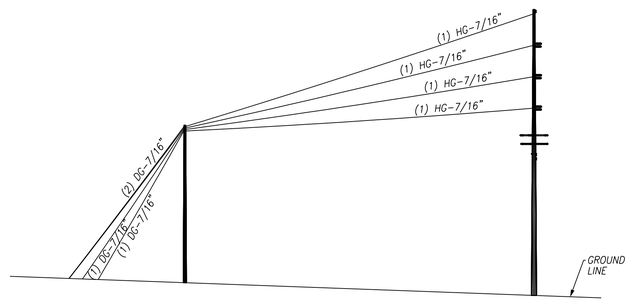
POLE LOC. 70 GUYING DETAIL

N.T.S.

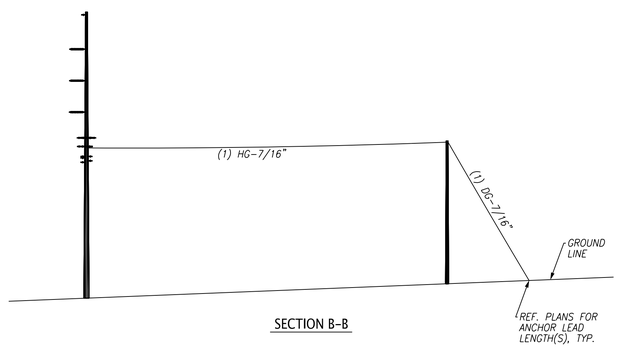
THIS SPACE
LEFT INTENTIONALLY
BLANK.



TOP VIEW



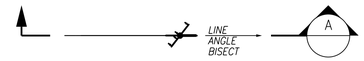
SECTION A-A



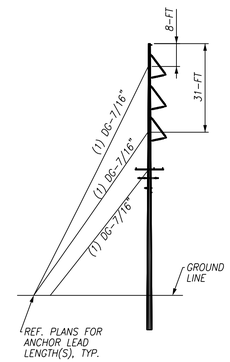
SECTION B-B

POLE LOC. 74 GUYING DETAIL

N.T.S.



TOP VIEW



SECTION A-A

POLE LOC. 97 GUYING DETAIL

N.T.S.

THIS SPACE
LEFT INTENTIONALLY
BLANK.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-18

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

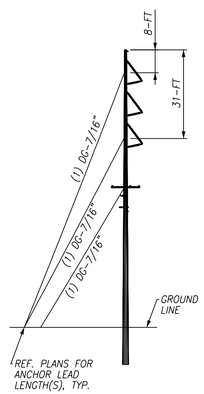
KNOXVILLE
UTILITIES
BOARD

ELECTRICAL RELOCATION

STRUCTURE GUYING DETAILS

N.T.S.

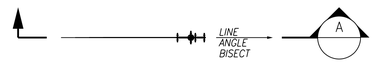
TOP VIEW



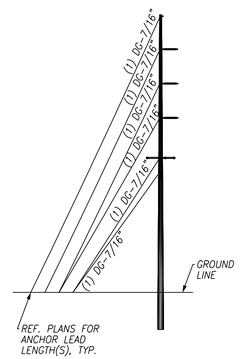
SECTION A-A

POLE LOC. 111 GUYING DETAIL

N.T.S.



TOP VIEW

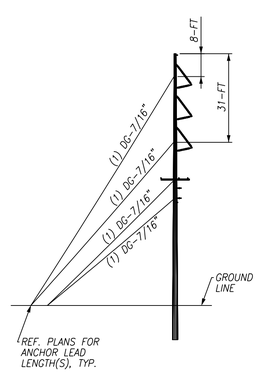


SECTION A-A

POLE LOC. 117 GUYING DETAIL

N.T.S.

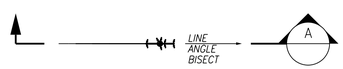
TOP VIEW



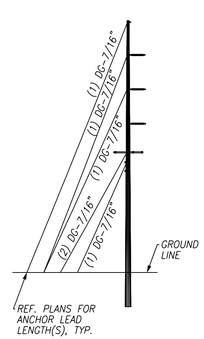
SECTION A-A

POLE LOC. 144 GUYING DETAIL

N.T.S.



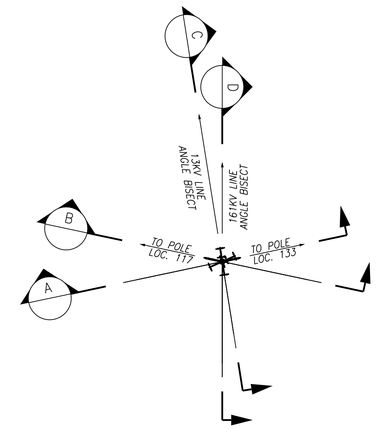
TOP VIEW



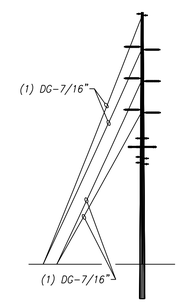
SECTION A-A

POLE LOC. 152 GUYING DETAIL

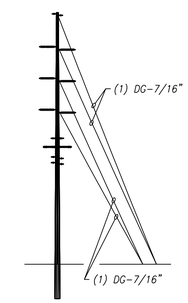
N.T.S.



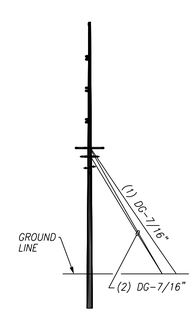
TOP VIEW



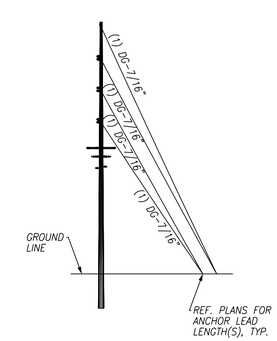
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

POLE LOC. 127 GUYING DETAIL

N.T.S.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-19

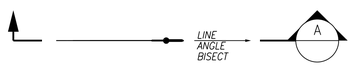
S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

KNOXVILLE UTILITIES BOARD

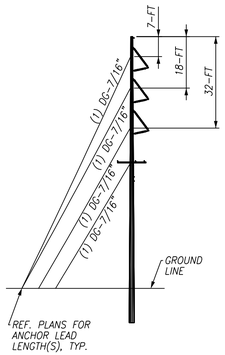
ELECTRICAL RELOCATION

STRUCTURE GUYING DETAILS

N.T.S.



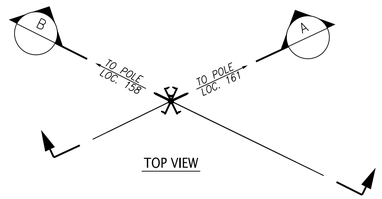
TOP VIEW



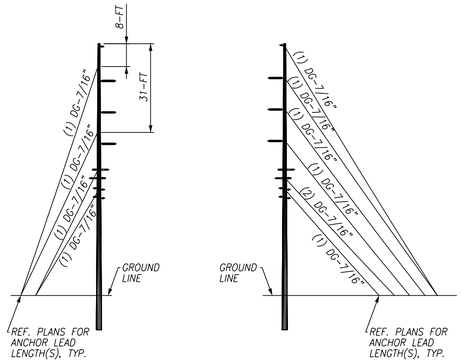
SECTION A-A

POLE LOC. 158 GUYING DETAIL

N.T.S.



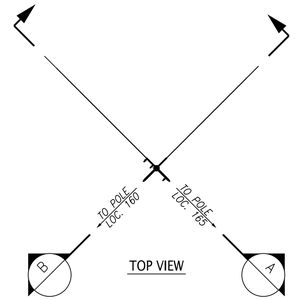
TOP VIEW



SECTION A-A SECTION B-B

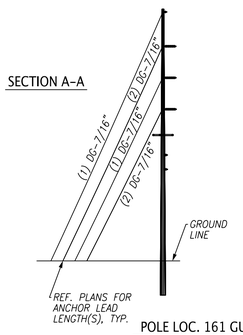
POLE LOC. 160 GUYING DETAIL

N.T.S.

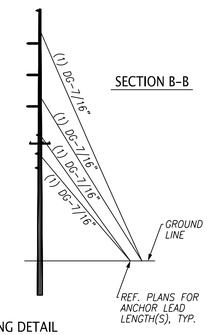


TOP VIEW

SECTION A-A



SECTION B-B



POLE LOC. 161 GUYING DETAIL

N.T.S.

THIS SPACE
LEFT INTENTIONALLY
BLANK.

THIS SPACE
LEFT INTENTIONALLY
BLANK.

THIS SPACE
LEFT INTENTIONALLY
BLANK.

THIS SPACE
LEFT INTENTIONALLY
BLANK.

THIS SPACE
LEFT INTENTIONALLY
BLANK.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	U2-20

S.R.62 (WESTERN AVE) KNOX CO.
STATE PROJ. NO: 47023-2261-14
PIN NO: 101204.00

KNOXVILLE
UTILITIES
BOARD

ELECTRICAL RELOCATION

STRUCTURE GUYING
DETAILS

N.T.S.