KONGIGANAK, ALASKA
RURAL POWER SYSTEM UPGRADE
ISSUED FOR CONSTRUCTION
JANUARY 2016
1. REMOVE ALL EXISTING DISTRIBUTION CONDUCTORS, CROSSINGS, HARDWARE, LIGHTS, ETC. TAKEN OUT OF SERVICE AS A RESULT OF THIS PROJECT EXCEPT WHERE SPECIFICALLY INDICATED TO REMAIN. COORDINATE WITH WORK TO MINIMIZE OUTAGES.

2. SECTIONALIZING CABINET TO BE REMOVED.

3. EXISTING UNDERGROUND TO REMAIN AND BE REUSED UNLESS ADDITIVE ALTERNATIVE 1 IS AWARDED. IF AWARDED REMOVE CONDUCTORS, RISERS AND CONDUIT.

4. POLE 1A-10-1-6 TO BE REUSED AS LIGHT POLE, PREV. POLE, PILE FOUNDATION, AND GUY. REMOVE PRIMARY DISTRIBUTION CONDUCTORS, HARDWARE, CONDUIT RISERS AND EXISTING FLOOR LIGHT.

5. EXISTING POLES TO REMAIN EXCEPT WHERE SPECIFICALLY INDICATED TO BE REMOVED.

6. REMOVE ALL ABOVE GROUND CONDUCTORS AND CONDUIT. ABANDON BELOW GRADE.

7. IF COMMUNITY HAS BEEN CONVERTED TO THE NEW DISTRIBUTION SYSTEM, REMOVE THE UNDERGROUND FEEDER IN ITS ENTIRETY AND THE CONDUIT, SUPPORTS, AND OTHER EQUIPMENT ON THE EXISTING POLE.

8. REMOVE ALL EXISTING TRANSFORMERS AND RELOCATE TO A LOCATION DESIGNATED BY THE OWNERS.

9. EXISTING TELEPHONE TO REMAIN IN SERVICE ON EXISTING POLES.

10. ALL UNITED N-PILES SHALL BE CUT-OFF 6" BELOW GROUND LEVEL.
GENERAL NOTES:

1. DE-ENERGIZE ALL EXISTING DISTRIBUTION CONDUCTORS, CROSSARMS, HARDWARE, LINES, ETC. TAKEN OUT OF SERVICE AS A RESULT OF THIS PROJECT EXCEPT WHERE SPECIFICALLY INDICATED TO REMAIN. COORDINATE DEMO WORK TO MINIMIZE OUTAGES.

2. EXISTING POLES TO REMAIN EXCEPT WHERE SPECIFICALLY INDICATED TO BE REMOVED.

3. ALL UNUSED P-POLES SHALL BE CUT-OFF 6" BELOW GROUND LEVEL.

4. REMOVE ALL EXISTING TRANSFORMERS AND RELOCATE TO A LOCATION DESIGNATED BY THE OWNER.

5. EXISTING TELEPHONE TO REMAIN IN SERVICE ON EXISTING POLES.

SEE E2.1 FOR MATCH LINE
GENERAL NOTES:
1. DEMO ALL EXISTING DISTRIBUTION CONDUCTORS, CROSSARMS, HARDWARE, LIGHTS, ETC. TAKEN OUT OF SERVICE AS A RESULT OF THIS PROJECT EXCEPT WHERE SPECIFICALLY INDICATED TO REMAIN. COORDINATE DEMO WORK TO MINIMIZE OUTAGES.
2. SECTIONALIZING CABINET TO BE REMOVED.
3. EXISTING UNDERGROUND TO REMAIN AND BE REMOVED UNTIL ADDITIVE ALTERNATIVE 1 IS AWARDED. IF AWARDED REMOVE ABOVE-GRADE CONDUCTORS, PEER AND CONDUIT.
4. EXISTING POLES TO REMAIN EXCEPT WHERE SPECIFICALLY INDICATED TO BE REMOVED.
5. UNUSED N-PILES SHALL BE CUT-OFF 6" BELOW GROUND LEVEL.
6. REMOVE ALL EXISTING TRANSFORMERS AND RELOCATE TO A LOCATION DESIGNATED BY THE OWNER.
7. EXISTING TELEPHONE TO REMAIN IN SERVICE ON EXISTING POLES.
GENERAL NOTES:

1. DEMOLISH ALL EXISTING DISTRIBUTION CONDUCTORS, CROSSARMS, HARDWARE, LIGHTS, ETC. TAKEN OUT OF SERVICE AS A RESULT OF THIS PROJECT EXCEPT WHERE SPECIFICALLY INDICATED TO REMAIN.
   COORDINATE DEMO WORK TO MINIMIZE OUTAGES.

2. EXISTING POLES TO REMAIN EXCEPT WHERE SPECIFICALLY INDICATED TO BE REMOVED.

3. UNUSED WIRE SHAL BE CUT-OFF AT 6" BELOW GROUND LEVEL.

4. REMOVE EXISTING STREET LIGHTS AND INSTALL NEW AS INDICATED.

5. REMOVE EXISTING TRANSFORMERS AND RELOCATE TO A LOCATION DESIGNATED BY THE OWNER.

6. EXISTING TELEPHONE TO REMAIN IN SERVICE ON EXISTING POLES.
GENERAL NOTES
1. NEW DISTRIBUTION LINE CROSSES THE EXISTING LINE AT THIS LOCATION. SEE SHEET E-2 FOR COORDINATION REQUIREMENTS.
2. ADDITIVE ALTERNATIVE NO. 2. NEW UNDERGROUND CONDUIT AND CONDUCTORS BETWEEN NEW SECTIONALIZING CABINETS.
3. NEW SECTIONALIZING CABINET, SEE V/E-4 FOR DETAILS. IF ADDITIVE ALTERNATIVE NO. 7 IS AWARDED, PLACE LOCATION AA ON THE NORTH SIDE OF THE BOARDWALK. IF ADDITIVE ALTERNATIVE NO. 7 IS NOT AWARDED, LOCATE SECTIONALIZING CABINET OVER EXISTING PRIMARY CONDUCTORS.
4. TIE IN TO EXISTING DISTRIBUTION SYSTEM AT DOUBLE DEAD END ON POLE 13; CONNECT NEW PRIMARY CONDUCTORS TO THE EXISTING ISOLATORS. INSTALL JUMPERS ACROSS THE TOP OF THE UNIT.
5. PROVIDE A BARRIER AROUND NEW SECTIONALIZING CABINET. SEE DETAIL 2, SHEET 4/3.
ALL WORK ON THIS SHEET SHALL BE ADDITIVE ALTERNATIVE No. 1.

GENERAL NOTES:
1. NEW POLE TO REPLACE EXISTING DIRECT BURIED POLE. INSTALL NEW SERVICE CONNECTIONS.

2. UNLESS OTHERWISE NOTED UTILIZE THE EXISTING POLES AND CONDUCTORS THIS AREA.

3. RECONNECT NEW TRANSFORMERS TO EXISTING SECONDARY CONDUCTORS.
GENERAL NOTES

1. INSTALL COOPER POWER SYSTEMS ROTATABLE FEED THRU INSERT KIT IN EXISTING BUSING WELL, CATALOG NO. 10275. CONNECT THE EXISTING AND NEW LOAD BREAK ELBOWS TO THE INSERTS.

2. PROVIDE SCHEDULE AS PVC FOR BELOW GRADE AND UP TO THE TRANSFORMER, GIC AT THE POLE.

3. BURY CONDUIT MINIMUM 3'-0".

4. REMOVE EXISTING BOARDWALK AS REQUIRED TO INSTALL NEW CABLE AND CONDUIT RETURN BOARDWALK TO EXISTING CONDITION AFTER CONDUIT HAS BEEN INSTALLED.

5. TRANSITION TO PVC FOR BELOW GRADE. SEE UNIT UCD21.

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ENLARGED POWER PLANT PLAN

Scale: Graphic

SCALE IN FEET

0 0 5 10 15
1. INSTALL GROUNDING EGG, MURRELL/TARGO 02-1060 ON MOUNTING BOARD AND CONNECT TO GROUND.
2. SEE UN33 FOR ADDITIONAL GROUNDING NOTES.
3. INSTALL DRAIN HOLE ON EACH UN3-10.
4. ENSURE THAT ALL METAL COMPONENTS ARE GROUNDED.
5. PROVIDE SCAFF IN THE CABINET TO THE MAXIMUM EXTENT PRACTICAL. IF POSSIBLE, PROVIDE ONE FULL LOOP AROUND THE BASE OF THE GROUND PLATE OR SECTIONALIZING CABINET FOR EACH CABLE.
6. PROVIDE EACH LOAD BREAK ELBOW WITH A COLD SHOE JACKET SEAL.
7. EXTEND 4" CONDUIT NO HIGHER THAN 1" ABOVE BOTTOM OF SECTIONALIZING CABINET.
8. THIS DETAIL SUPPLEMENT RUS CONSTRUCTION UNIT UN33.

RUS UNIT UM33a - THREE-PHASE SECTIONALIZING CABINET SPECIFIC REQUIREMENTS

1. INSTALL 3-1242 TREATED TIMBERS, STACKED WITH LEGEND AS SHOWN.
2. PIN THE TIMBERS TOGETHER WITH AN EYELET.
3. POSITION OPENCING ENTRING PINE