



US Army Corps
of Engineers
Alaska District

ANCHORAGE
Regulatory Division (1145)
CEPOA-RD
Post Office Box 6898
JBER, Alaska 99506-0898

Public Notice of Application for Permit

PUBLIC NOTICE DATE:	February 24, 2022
EXPIRATION DATE:	March 26, 2022
REFERENCE NUMBER:	POA-2022-00055
WATERWAY:	Nushagak River

Interested parties are hereby notified that a Department of the Army permit application has been received for work in waters of the United States as described below and shown on the enclosed project drawings.

All comments regarding this Public Notice should be sent to the address noted above. If you desire to submit your comments by email, you should send it to the Project Manager's email as listed below or to regpagemaster@usace.army.mil. All comments should include the Public Notice reference number listed above.

All comments should reach this office no later than the expiration date of this Public Notice to become part of the record and be considered in the decision. Please contact Jason Brewer at (907) 753-2823, toll free from within Alaska at (800) 478-2712, by fax at (907) 753-5567, or by email at Jason.D.Brewer@usace.army.mil if further information is desired concerning this notice.

APPLICANT: Nushagak Cooperative; Trung Vo, 907-842-5251

AGENT: Travis/Peterson Environmental Consulting; Edmond Packee, 907-455-7225

LOCATION: The linear project site is located within multiple Townships, Ranges, and Sections (see plan sheets); Seward Meridian; USGS Quad Maps Dillingham B-8 SE, B-7 SW, B-7 SE, B-6 SW, B-6 SE, B-5 SW, B-5 SE, B-4 SW, B-4 SE, A-4 NE, A-3 NW, A-3 NE; between terminus at Latitude 59.26756° N., Longitude 158.62652° W. and terminus at Latitude 59.15734° N., Longitude 156.88230° W.; the project runs cross country from Aleknagik to Ekwok and a point approximately three miles north of Levelock, Alaska.

PURPOSE: The applicant's stated purpose is to install new fiber optic cable to Aleknagik and Dillingham via connection to an existing fiber optic cable in the Levelock area. This will provide needed middle mile transport to the Nushagak Telephone Cooperative exchange area allowing the offering of improved broadband for those areas, with the additional benefit of potential backhaul for the provider at Ekwok. With the installation of this new "middle mile" fiber optic cable, new Fiber To The Home (FTTH) will be installed in the Village of Aleknagik. Upon completion, both Aleknagik and Dillingham will be brought up to current standards for available broadband, and in turn will also provide increased broadband for schools and medical facilities.

PROPOSED WORK: The applicant proposes to discharge 6,755-cubic yards of fill into 57.5-acres of Waters of the United States (WOUS), including wetlands, to install approximately 70 miles of fiber optic cable between the cities of Aleknagik, Ekwok, and Levelock, Alaska. The proposed project would result in less than 0.01-acres permanent impacts and 57.49-acres temporary impacts to WOUS. Vegetation would be cut and grubbed along the route to allow passage of trenching equipment and crews. Trenching equipment would excavate a 6-inch-wide slot by 2-feet deep, temporarily side cast excavated material, install the fiber optic cable, and then backfill the trench. Boring equipment would be used at 7 river crossings, to install the cable a minimum of 3.5-feet under the riverbed. Splice vaults to provide access to the buried cable would be set in place every 20,000 feet, and at both sides of a river boring. All work would be performed in accordance with the enclosed plan (sheets 1-61), dated January 22, 2022.

APPLICANT PROPOSED MITIGATION: The applicant proposes the following mitigation measures to avoid, minimize, and compensate for impacts to waters of the United States from activities involving discharges of dredged or fill material.

a. Avoidance: The applicant states the installation of the cable will require a disturbance width of up to 14 feet. The disturbance of wetlands for cable installation within wetland areas is unavoidable. Directional boring will be used to avoid impacts to multiple riverine wetlands.

b. Minimization: The applicant states impacts to wetlands have been minimized throughout the design process. The use of direct-buried fiber optic cable allows for the placement of the fewest splice vaults (required every 20,000 feet) compared to other design options and the route has been carefully reviewed to allow installation in uplands to the maximum extent possible. The installation method for the cable has a dramatic influence on the degree to which the underlying soils and vegetation are disturbed. Generally, installation consists of excavation, fiber optic cable placement, and burial by using a cable plow followed by seeding of the disturbance in upland areas. In areas of "saturated" wetlands, primarily along the eastern half of the project, installation will take place in the winter under frozen conditions to avoid increased impacts to wetlands. Areas of wetlands which are not inundated with water during the time of construction may be placed under thawed conditions, with the final determination to be made during the actual construction season based on seasonal influences.

In the case of minor drainages with only seasonal flow or small amounts of flow (i.e. less than 5 cubic feet per second at base flow), the fiber optic cable will be installed by direct burial during low water periods of the season (winter). For major stream crossings, the proponent proposes to use subsurface boring to avoid impacting the stream channel. This will require the digging of a bore pit on either side of the stream. Bore pits will be constructed above the mean ordinary high water mark. To the extent practical, the bore pits will be constructed in upland areas and the directional boring installed fiber optic cable will span the stream and associated riparian wetlands.

c. Compensatory Mitigation: The applicant states there are no anticipated impacts to any wetland area that result in permanent loss of wetland functional values or would result in a permanent loss of wetland area. No mitigation is envisioned at this time.

WATER QUALITY CERTIFICATION: A permit for the described work will not be issued until a certification or waiver of certification, as required under Section 401 of the Clean Water Act (Public Law 95-217), has been received from the Alaska Department of Environmental Conservation.

CULTURAL RESOURCES: The lead Federal agency, United States Department of Agriculture (USDA), is responsible for compliance with the requirements of Section 106 of the National Historic Preservation Act. The U.S. Army Corps of Engineers (Corps) will review the USDA's documentation and either concur with their documentation or continue to work with them until any issues are resolved. A permit for the described work will not be issued until the Section 106 process has been completed and the Corps concurs with the USDA's work or documentation.

ENDANGERED SPECIES: No threatened or endangered species are known to use the project area.

We have determined the described activity would have no effect on any listed or proposed threatened or endangered species, and would have no effect on any designated or proposed critical habitat, under the Endangered Species Act of 1973 (87 Stat. 844). Therefore, no consultation with the U.S. Fish and Wildlife Service or the National Marine Fisheries Service (NMFS) is required. However, any comments they may have concerning endangered or threatened wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

The project area is within the known range of the coho salmon (*Oncorhynchus kisutch*), chum salmon (*Oncorhynchus keta*), chinook salmon (*Oncorhynchus tshawytscha*), pink salmon (*Oncorhynchus gorbuscha*), sockeye salmon (*Oncorhynchus nerka*).

We have determined the described activity would not adversely affect EFH in the project area.

TRIBAL CONSULTATION: The Corps fully supports tribal self-governance and government-to-government relations between Federally recognized Tribes and the Federal government. Tribes with protected rights or resources that could be significantly affected by a proposed Federal action (e.g., a permit decision) have the right to consult with the Alaska District on a government-to-government basis. Views of each Tribe regarding protected rights and resources will be accorded due consideration in this process. This Public Notice serves as notification to the Tribes within the area potentially affected by the proposed work and invites their participation in the Federal decision-making process regarding the protected Tribal right or resource. Consultation may be initiated by the affected Tribe upon written request to the District Commander during the public comment period.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, reasons for holding a public hearing.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts, which the proposed activity may have on the public interest, requires a careful weighing of all the factors that become relevant in each particular case. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. The outcome of the general balancing process would determine whether to authorize a proposal, and if so, the conditions under which it will be allowed to occur. The decision should reflect the national concern for both protection and utilization of important resources. All factors, which may be relevant to the proposal, must be considered including the cumulative effects thereof. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving 404 discharges, a permit will be denied if the discharge that would be authorized by such permit would not comply with the Environmental Protection Agency's 404(b)(1) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria (see Sections 320.2 and 320.3), a permit will be granted unless the District Commander determines that it would be contrary to the public interest.

The Corps is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

AUTHORITY: This permit will be issued or denied under the following authorities:

(X) Perform work in or affecting navigable waters of the United States – Section 10 Rivers and Harbors Act 1899 (33 U.S.C. 403).

(X) Discharge dredged or fill material into waters of the United States – Section 404 Clean Water Act (33 U.S.C. 1344). Therefore, our public interest review will consider the guidelines set forth under Section 404(b) of the Clean Water Act (40 CFR 230).

Project drawings and a Notice of Application for State Water Quality Certification are enclosed with this Public Notice.

District Commander
U.S. Army, Corps

Enclosures



PUBLIC NOTICE

Alaska Department of Environmental Conservation (DEC)
Wastewater Discharge Authorization Program/401 Certification
555 Cordova Street, Anchorage AK 99501-2617
Phone: 907-269-6285 | Email: DEC-401Cert@alaska.gov

Notice of Application for State Water Quality Certification

Any applicant for a federal license or permit to conduct an activity that might result in a discharge into navigable waters, in accordance with Section 401 of the Clean Water Act (CWA) of 1977 (PL95-217), also must apply for and obtain certification from the Alaska Department of Environmental Conservation that the discharge will comply with the CWA, the Alaska Water Quality Standards, and other applicable State laws.

Notice is hereby given that a request for a CWA §401 Water Quality Certification of a Department of the Army Permit application, Corps' Reference Number POA-2022-00055, has been received for the discharge of dredged and/or fill materials into waters of the United States (WOUS), including wetlands, as described in the Corps public notice and project figures/drawings (18 AAC 15.180).

Any person desiring to comment on the project with respect to water quality, may submit comments electronically via email to DEC-401cert@alaska.gov by the expiration date of the Corps of Engineer's public notice. All comments need to include the Corps public notice reference number in the subject heading. Physically mailed comments must be postmarked on or before the expiration date of the public notice.

After reviewing the application, the Department may certify there is reasonable assurance the activity, and any discharge that might result, will comply with the CWA, the Alaska Water Quality Standards, and other applicable State laws. The Department also may deny or waive certification.

The permit application and associated documents are available for review. For inquires or to request copies of the documents, contact dec-401cert@alaska.gov, or call 907-269-6285.

Disability Reasonable Accommodation Notice

The State of Alaska, Department of Environmental Conservation complies with Title II of the Americans with Disabilities Act (ADA) of 1990. If you are a person with a disability who may need special accommodation in order to participate in this public process, please contact ADA Coordinator Brian Blessington at 907-269-6272 or TDD Relay Service 1-800-770-8973/TTY or dial 711 within 5 days of the expiration date of this public notice to ensure that any necessary accommodations can be provided.

NUSHAGAK COOPERATIVE MIDDLE MILE TRANSPORT FIBER



DRAWING INDEX		
PAGE NO.	SHEET	DESCRIPTION
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40-61	EL-01 to 22	EKWOK-LEVELOCK

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple
 Sheet 1 of 61 Date: 1/22/2022

LEGEND

	FIBER OPTIC CABLE		SPLICE
	CONDUIT		HANDHOLE
	ROAD CENTERLINE		BORE
	RIGHT OF WAY		
	SECTION LINES		
	PROPERTY LINES		
	EASEMENTS		
NUMBER	REVISION DESCRIPTIONS	DATE	

PRELIMINARY

10-11-2021



**MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
COVER SHEET**

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	NTS
DESIGNED BY:	MSF
DRAWN BY:	MSF/MHR
CHECKED BY:	STW

G-1.0

SHEET: 1 OF 61

DESIGN AND CONSTRUCTION GENERAL NOTES:

1. CALL 1-800-478-5296 FOR LOCATION OF OTHER UTILITIES PRIOR TO DIGGING. PROVIDE MINIMUM 24-HOURS NOTICE, PROVIDE MAP OF AREA, ON-SITE CONTACT, AND CAN-BE-REACHED-AT PHONE NUMBER. REQUESTS MAY BE E-MAILED TO CSR@NUSHAGAK.COOP CAUTION AS BURIED POWER, GAS, TELEPHONE, COMMUNICATION, & HIGHWAY CONTROL. CABLES ARE KNOWN TO EXIST IN THE AREA TO BE EXCAVATED. NUMEROUS EXISTING UTILITIES MAY EXIST ALONG THE PROPOSED FOC ROUTE. EXISTING UTILITIES HAVE NOT BEEN DELINEATED ON THE PLAN SHEETS DUE TO THE UNRELIABILITY OF RECORD INFORMATION. VERIFY LOCATION BY OBTAINING UTILITY LOCATES PRIOR TO BEGINNING CONSTRUCTION. COORDINATE WITH FIELD ENGINEER ANY CONFLICTS BETWEEN PROPOSED FOC ALIGNMENT AND EXISTING UTILITIES. USE EXTREME CAUTION & WHEN REQUIRED, POTHOLE PRIOR TO COMMENCING WORK.
2. VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. RECORD LOCATIONS AND CHANGES TO UTILITIES IN SURVEY NOTES AND ON AS-BUILT DRAWINGS.
3. THE DIRECT BURIED FOC SHALL BE INSTALLED CENTERED ON THE ALIGNMENT AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO DEVIATING FROM THE PLAN AND SHALL MAINTAIN A SET OF AS-BUILT RED LINE MARKUP DRAWINGS ON THE SITE. C.O.E. APPROVAL MUST BE OBTAINED PRIOR TO INCREASING WETLAND IMPACT.
4. PLOWABLE UNDERGROUND UTILITY MARKING TAPE SHALL BE "SAFETY ALERT ORANGE", 5.0 MIL THICK WITH A TENSILE STRENGTH OF 28 LB/IN (5,600PSI).
5. ONE CABLE OF 48 FIBER SINGLE MODE FIBER OPTIC CABLE SHALL BE INSTALLED DIRECTLY IN THE GROUND. THE F.O.C. SHALL COME IN 22,000 FOOT LENGTHS MIN. 100 FEET OF THE F.O.C. SHALL BE COILED IN EACH SPLICE MANHOLE AND 100 FEET COILED IN EACH INTERMEDIATE HANDHOLE OR AS SPECIFIED ON PLANS.
6. VERIFY THAT QUALITY ASSURANCE HAS MADE O.T.D.R. READINGS ON REEL BEFORE TAKING TO THE FIELD. IF REQUIRED.
7. DURING FIGURE EIGHT OPERATIONS USE CAUTION TO ENSURE THAT MINIMUM RADIUS IS NOT VIOLATED. THAT KINKING DOES NOT OCCUR, AND THAT THE CABLE IS NOT CRUSHED. DO NOT LEAVE GROUND LAID F.O.C. UNATTENDED!!! MINIMUM BENDING RADIUS OF SPECIFIED FIBER OPTIC CABLE IS 15".
8. TRENCH FOR THE DUCT SHALL BE EXCAVATED OR PLOWED WITH A MINIMUM OF 18-INCHES COVER PROVIDED OVER THE TOP OF THE FOC. UNDERGROUND UTILITY MARKING TAPE SHALL BE INSTALLED APPROXIMATELY ONE FOOT ABOVE THE FOC. WHEN ROCK IS ENCOUNTERED IT SHALL BE SAWN OR RIPPED TO A DEPTH OF 16 INCHES AND 2 INCHES OF SAND BEDDING INSTALLED UNDER THE FOC AND 2 INCHES OF SAND BACK FILL PLACED OVER THE FOC, ROAD AND RAILROAD CROSSINGS, AND UNSTABLE AREAS WILL REQUIRE A MINIMUM OF 48 INCHES OF COVER FROM THE FOC TO THE TOE OF THE EMBANKMENT OR GROUND SURFACE. SEE DRAWINGS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
9. AT ALL TRENCHED ROAD CROSSINGS, THE EXCAVATED NATIVE SOIL MAY BE PLACED BACK IN THE TRENCH AS BACK FILL IN 6 INCH LIFTS (TO 6 INCHES BELOW ORIGINAL GRADE), COMPACTED TO 95% MINIMUM OF THE MAXIMUM STANDARD DENSITY, UNLESS DIRECTED OTHERWISE BY THE ENGINEER. THE SURFACE COURSE OF THE ROAD SHALL CONSIST OF THE UPPER 6 INCHES OF FILL WHICH SHALL BE AS GOOD OR BETTER MATERIAL AS ORIGINALLY PRESENT (Example: D1 material or similar) AND SHALL BE COMPACTED 95% MINIMUM OF THE MAXIMUM STANDARD DENSITY. TRENCHED EXCAVATIONS OUTSIDE OF ROAD PRISMS SHALL BE BACK FILLED WITH NATIVE MATERIAL IN 12 INCH LIFTS COMPACTED TO APPROXIMATELY 90% RELATIVE DENSITY. DO NOT DROP BACK FILL ONTO THE FOC. SPLIT CONDUIT MAY BE INSTALLED AT ROAD CROSSINGS. SEE DRAWINGS AND DETAILS FOR ADDITIONAL REMARKS.
10. BORING SHALL BE DONE BY CREWS AND EQUIPMENT APPROVED BY THE ENGINEER. THE BORE SHALL NOT DESCEND AT A RATE OF MORE THAN 30 DEGREES. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE A.D.E.C REGULATIONS ON BORING AND THE USE OF BENTONITE BORES OCCURRING UNDER ROAD OR RAILROAD PRISMS SHALL BE 4 FEET BELOW THE DITCH (TOE OF EMBANKMENT) BOTTOM FOR ROAD CROSSINGS. BORES OF EXISTING DRIVEWAYS/ROADS OF 50 FEET OR LESS MAY BE DONE WITH A "HOLE HOG" AND DO NOT REQUIRE HAND HOLES AT THEIR TERMINATION POINTS. BORES UNDER RIVERS SHALL BE MIN. 10' BELOW SCOUR LINE.
11. CABLE BORES SHALL BE ROUTED BELOW EXISTING UTILITY LINES. ALL UTILITY LINES LOCATES SHALL BE REQUESTED BY THE CONTRACTOR, AND THE DEPTH OF THE LINES SHALL BE DETERMINED BY POTHOLES OR FROM INFORMATION OBTAINED FROM THE LOCAL AGENCIES.
12. SIGN AND/OR FLAG WORK LOCATIONS WITHIN OR ADJACENT TO HIGHWAY/ROAD ROW IN ACCORDANCE WITH STATE & BOROUGH SAFETY PROCEDURES. TRAFFIC CONTROL & SAFETY PLANS WILL HAVE TO BE PREPARED BY THE CONTRACTOR & SUBMITTED TO ADOT FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
13. TIE WRAP F.O.C. CABLE DESIGNATION TAGS IN EACH HAND HOLE OVER CABLE. MINIMUM 1 PER HOLE UNDER CLAMP IN AERIAL BUILD.
14. FOC ENDS MUST BE SEALED AT ALL TIMES, WITH WATERTIGHT CAPS OR WRAPPINGS.
15. RETURN ALL EXCAVATED AREAS OR AREAS DISTURBED BY CONSTRUCTION BACK TO AS GOOD OR BETTER THAN ORIGINAL CONDITION. DO NOT DISTURB LOT PINS OR SURVEY MARKERS. ALL SURVEY STAKES & LATH PLACED BY THE CONTRACTOR ARE TO BE REMOVED AND CLEANED UP PRIOR TO COMPLETION OF CONSTRUCTION.
16. ALL AREAS IN THE HWY ROW DISTURBED BY CONSTRUCTION ACTIVITY WILL HAVE TO BE RESEED.
17. SHORING & LADDERS WILL BE REQUIRED FOR ENTERING TRENCH, WHEN TRENCH DEPTH EXCEEDS MAXIMUMS ESTABLISHED BY STATE & OSHA.
18. DISTANCES AND STATIONING OF CONSTRUCTION WORK IS IN FEET.
19. STATIONING IS MEASURED ALONG CENTERLINE OF FOC.
20. ALL DRAWINGS WERE DERIVED FROM ADOT HWY PROJECT DRAWINGS OR SIMILAR SOURCES.
21. DIMENSIONS SHOWN ARE TO CENTER OF ROAD STRIPING, FACE OF BLDG., OR CENTERLINE OF FOC UNLESS NOTED OTHERWISE.
22. MAINTAIN MINIMUM TWO FOOT HORIZONTAL & 18 INCH VERTICAL SEPARATION FROM SEWER & WATER LINES AT ANY POINT.
23. DISCHARGE OF SILT LADEN RUNOFF FROM THE JOB SITE IS FORBIDDEN.
24. MAINTAIN A SUPPLY OF OIL ABSORBENT FABRIC ON SITE TO CLEAN UP MINOR SPILLS.
25. KEEP SITE FREE OF LITTER.
26. MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. WATER EXPOSED SOILS AS NECESSARY TO CONTROL GENERATION OF DUST.
27. THE INSPECTOR WILL INSPECT THE SITE PRIOR TO PLACING FILL AND AT REGULAR INTERVALS UNTIL COMPLETION OF THE WORK.
28. COMPACTION AND COMPACTION TESTS SHALL BE PERFORMED ON ALL FILL PLACED WITHIN PAVED ROAD PRISMS.
29. ALL CONSTRUCTION WILL MEET ALL APPLICABLE STATE OF ALASKA, CODES, RULES AND REGULATIONS.
30. DEWATERING MAY BE REQUIRED FOR EXCAVATIONS THAT PENETRATE THE GROUND SURFACE.
31. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE REGULATIONS FOR NOISE, HOURS OF OPERATION AND DUST CONTROL.
32. CONTAMINATED SOILS ARE NOT ANTICIPATED TO BE ENCOUNTERED THROUGHOUT THIS JOB. ANY CONTAMINATED SOILS WHICH ARE ENCOUNTERED ARE OUTSIDE THE SCOPE OF WORK FOR THIS PROJECT. IF CONTAMINATED SOILS ARE ENCOUNTERED, CEASE ANY EXCAVATION AND NOTIFY THE ENGINEER AT ONCE, WHO WILL THEN MAKE APPROPRIATE NOTIFICATION TO ADEC.
33. PLACE CARSONITE CABLE WARNING SIGNS AT ALL ROAD CROSSINGS AND AT 500 FEET INTERVALS ALONG FOC ROUTE AND AS SHOWN ON THE DETAILS.
34. CLEARING OF RIGHT-OF-WAY. (THE ENGINEER WILL BE RESPONSIBLE FOR SPECIFYING ANY SPECIAL CONDITIONS OR INSTRUCTIONS CONCERNING THE RIGHT-OF-WAY CLEARING. THE CLEARING WIDTH SHALL BE OF SUFFICIENT WIDTH FOR THE OPERATION OF THE CABLE PLOWING AND CABLE REEL INSTALLATION EQUIPMENT, WITH A MINIMUM CLEARING WIDTH OF 12 FEET. DISRUPTION OF THE GROUND SURFACE SHALL BE KEPT TO A MINIMUM AND THE CABLE PLOWING OPERATION WILL FOLLOW THE TERRAIN OF THE EXISTING GROUND. GRUBBING OF ROOTS SHALL NOT BE ALLOWED UNDER THIS UNIT TO PROTECT THE GROUND SURFACE.

NOTE 1: TREES THAT ARE FELLED THAT ARE 6" DIAMETER AT BREAST HEIGHT OR GREATER SHALL BE CUT TO 8 FOOT LENGTHS AND STACKED ON THE SIDE OF THE RIGHT-OF-WAY FOR THE LANDOWNER.

NOTE 2: TREES LESS THAN 6", BRUSH, BRANCHES, AND REFUSE FROM THE CLEARING OPERATIONS SHALL BE MECHANICALLY CLEARED WITH A HYDRO AX OR CHIPPER AND DISPOSED OF BY THE FOLLOWING METHODS AS DIRECTED BY THE ENGINEER.

35. ACQUIRE AND PROVIDE GPS POSITION OF AS LAID FOC TO AN ACCURACY MINIMUM OF +/- 7.5 METERS.

UNIT NUMBER	UNIT DESCRIPTION
BFO48	CABLE F/O 48, Subsea, Underground, Direct-bury *Labor rate is for Plowing Fiber
BFO48H	CABLE F/O 48, Subsea, Double-Armor
BFO48T	Trenched Unit, Stream Crossings, May include Ice Excavation
S 2	
BFO48I	CABLE F/O 48, Subsea, Installed inside of duct placed by Contractor
BM60(4)D	4-Inch, Directionally Bored Duct, HDPE
BM60(4)	4-Inch, Bored Duct, HDPE
S 4	
S 5	
S 6	
S 7	
S 8	
S 9	
S 10	
S 11	XXXX
BHF(48x76x36)	Handhole 48Inx76Inx36In, Polymer, w/accessories
*Includes BA 22	POST, WOOD, RECT, 3.5x4.5IN x 8FT
*Includes BM 11	MARKER, YLW, 4FT, CLAMPS
*Includes BM 53-1	SIGN WARNING F/O BURIED CABLE
*Includes blank sign	SIGN, BLANK, YELLOW, 4 Holes
*Includes BM 2 5/8	ROD, GROUND, 5/8IN x 8FT, BLACK
*Includes BM 92-1.25T	INNERDUCT, 1.25IN, BLK/ORG STRIP
* Includes BM92 1.25T	Innerduct, 1.25", Blk/Org Stripe, Clamps
HBFOS	FO LOCATE ASSEMBLY - Splicing Units
*Includes NID	INTERFACE Device, NTKW 06 PR
*Includes LUG	LUG, 1/4 in Hole, LCB6-14
*Includes Wire Black	Wire, 1C/06 AWG, Stranded, BLK
*Includes Wire Blue	Wire, 1C/06 AWG, Stranded, BLUE
HO-1	FUSION, ONE FIBER (FO)
HUO-6.5	FO SPL CLOSURE (1-4 CABLES)
WHUO	REARRANGE UG CLOSURE FO
LBR PLC	PLACING LABOR (BOM REQ)
PM 21	C.O. ENTRANCE CABLE (BOM REQ)
BM 53-1	SIGN WARNING F/O BURIED CABLE

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Location: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple
 Sheet 2 of 61 Date: 1/22/2022

PRELIMINARY 10-11-2021



CUST. WO: 201-106
MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 BURIED GENERAL NOTES

PROJECT NO:	21-106
ADDITIONAL INFO:	
SCALE:	NTS
DRAWN BY:	MSF/MHR
DESIGNED BY:	MSF
CHECKED BY:	STW

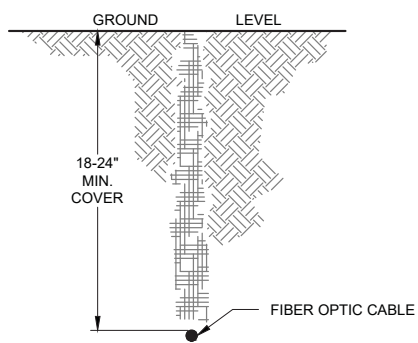
G-2.0

SHEET: 2 OF 61

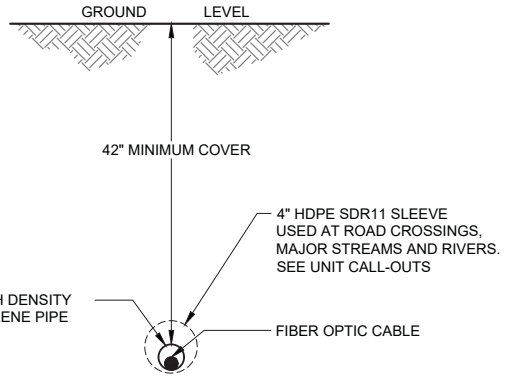
UNIT TOTALS

UNIT DESCRIPTION	BFO48	BFO48H	BFO48T	S 2	BFO48I	BM60(4)	BM60(4)D	S 4	BHF(48x76x36)	S 5	HBFOS	S 6	HO-1	S 7	HUO-6.5	S 8	WHUO	S 9	LBR PLC	S 10	PM 21	S 11	BM 53-1	
AE TOTALS	329956	1892	422	0	1890	0	1892	0	26	0	22	0	1006	0	22	0	0	0	0	0	0	0	0	647
EL TOTALS	146008	1680	0	0	1680	0	1680	0	13	0	13	0	624	0	13	0	0	0	0	0	0	0	0	617

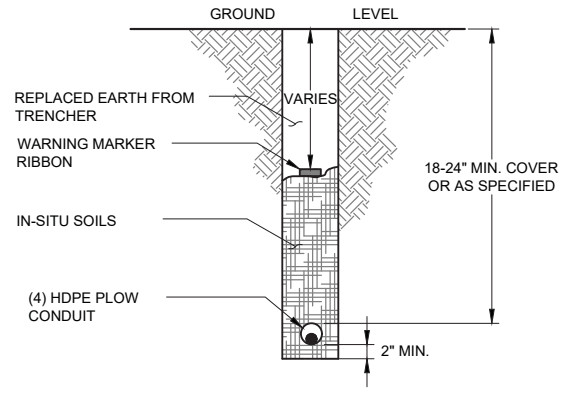
FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\GENERAL SHEETS\DWG 1 PLOT DATE: 10/11/2021 1 PLOT SCALE: 1:1



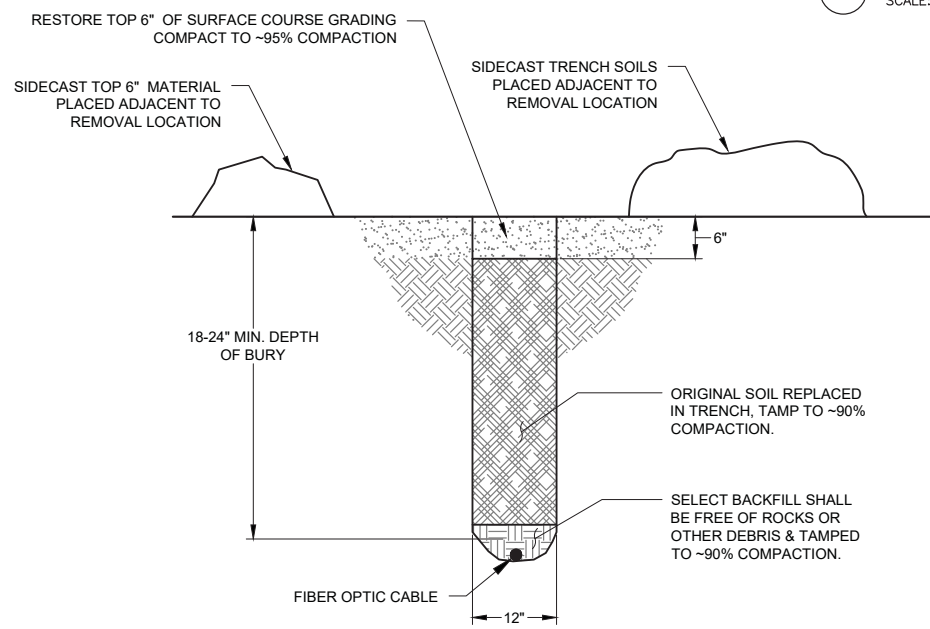
1 **PLOWED CABLE**
SCALE: NTS



2 **BORE**
SCALE: NTS



? **TRENCH FROZEN/PARTIALLY FROZEN STREAM CROSSING**
SCALE: NTS



? **OPEN TRENCH UNPAVED ROAD CROSSING**
SCALE: NTS

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple
 Sheet 3 of 61 Date: 1/22/2022

PRELIMINARY 10-11-2021

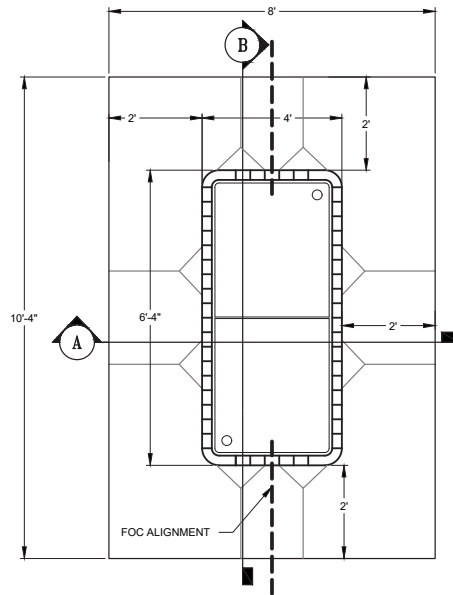


CUST. WO: 21-106
MIDDLE MILE TRANSPORT FIBER ALEKNAGIK TO LEVELOCK
 BURIED DETAILS

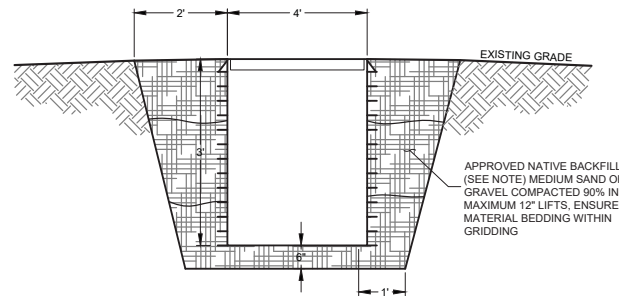
PROJECT NO: 21-106
 ADDITIONAL INFO:
 SCALE: NTS DESIGNED BY: MSF
 DRAWN BY: MSF/MHR CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

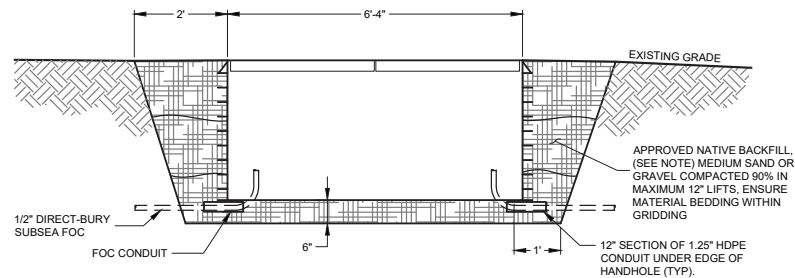
G-3.0
 SHEET: 3 OF 61



1 SPLICE VAULT PLAN VIEW
SCALE: 3/8" = 1'-0"



A SPLICE VAULT SECTION
SCALE: 3/8" = 1'-0"



B SPLICE VAULT SECTION
SCALE: 3/8" = 1'-0"

BACKFILL NOTE:
BACKFILL MAY NOT CONTAIN ORGANICS OR OTHER
DELETERIOUS MATERIALS, SHALL NOT CONTAIN
SATURATED SOILS, AND SHALL BE FREE DRAINING
MATERIALS

Applicant: Nushagak Cooperative
File No.: POA-2022-00055
Waterway: Wood River, Nushagak River
Activity: FOC Installation
Location: Aleknagik-Edwok-Levelock, AK
Lat/Long.: Multiple

Sheet 4 of 61 Date: 1/22/2022



PRELIMINARY 10-11-2021

CUST. WO: 21-106
MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
SPLICE VAULT

PROJECT NO: 21-106

ADDITIONAL INFO:

SCALE: NTS DESIGNED BY: MSF

DRAWN BY: MSF/MHR CHECKED BY: STW

G-4.0

SHEET: 4 OF 61

NO.	REVISION DESCRIPTIONS	DATE

SECTION 36, T10S, R56W / SECTION 31, T10S, R55W, S.M.



ALEKNAGIK CO
BEGIN AE ROUTE

CONSTRUCTION NOTE:
SEE SHEET (WL)AE-01A

STA 100+00 MATCHLINE - SHEET (WL)AE-01

STA 180+00 MATCHLINE - SHEET (WL)AE-01A

ALEKNAGIK NATIVES, LIMITED CLEARING LIMITS	DOT	ALEKNAGIK NATIVES, LIMITED
UPLAND		

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 5 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 100+00 - STA 180+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

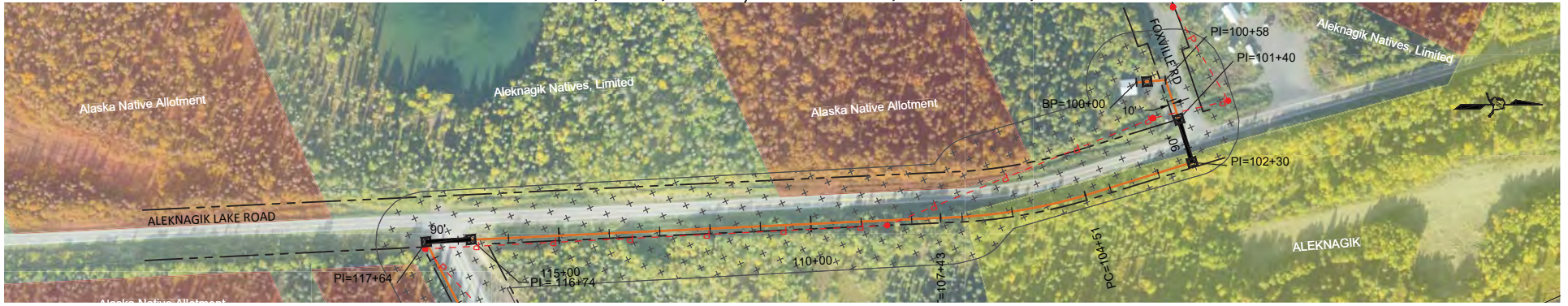
NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-01

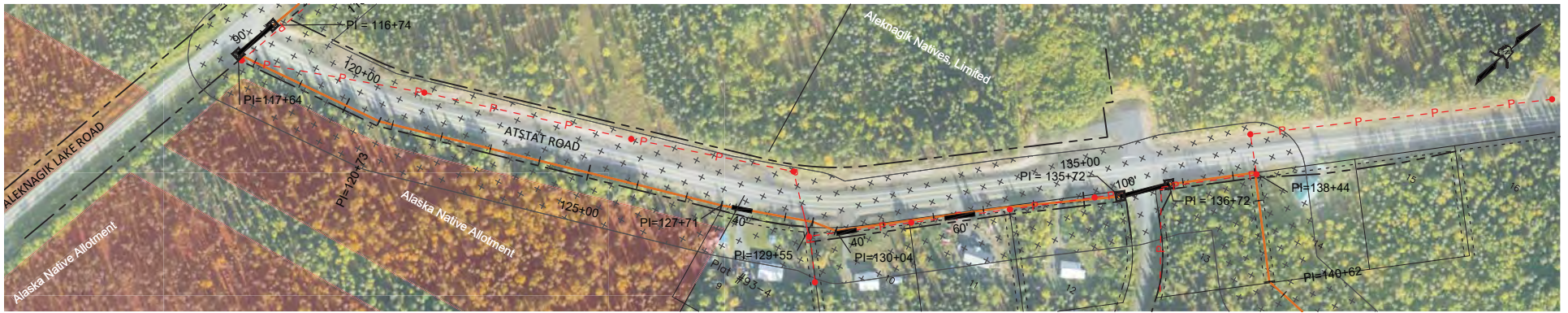
SHEET: 06 OF 62

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SECTION 36, T10S, R56W / SECTION 31, T10S, R55W, S.M.



	DOT	ALEKNAGIK VILLAGE	
CLEARING LIMITS	UPLAND		



	DOT	ALEKNAGIK NATIVES, LIMITED	
CLEARING LIMITS	UPLAND		

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 6 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 100+00A - STA 140+62

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 200'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

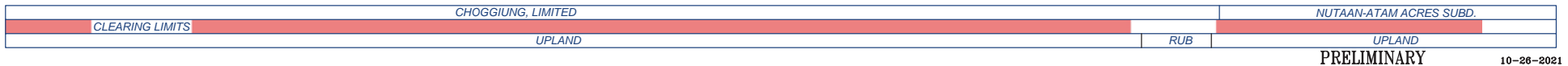
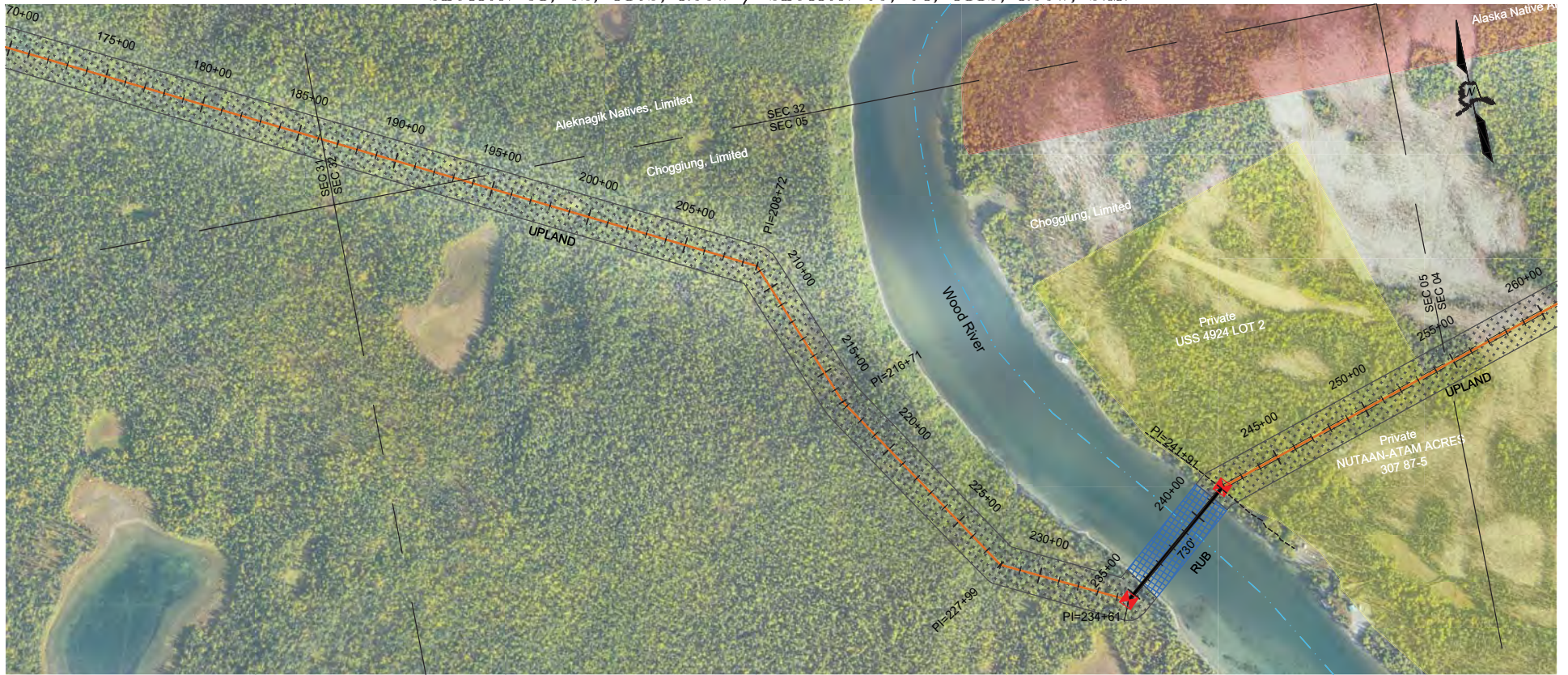
(WL)AE-01A

SHEET: 07 OF 62

MATCHLINE - SHEET (WL)AE-01

STA 140+62MATCHLINE - SHEET (WL)AE-02
 FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK SCALE AE - (01).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 31, 32, T10S, R55W / SECTION 05, 04, T11S, R55W, S.M.



STA 160+00 MATCHLINE - SHEET (WL)AE-#

STA 260+00 MATCHLINE - SHEET (WL)AE-03

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (01).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 7 of 61 Date: 1/22/2022



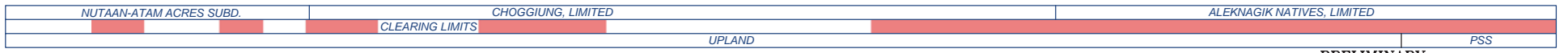
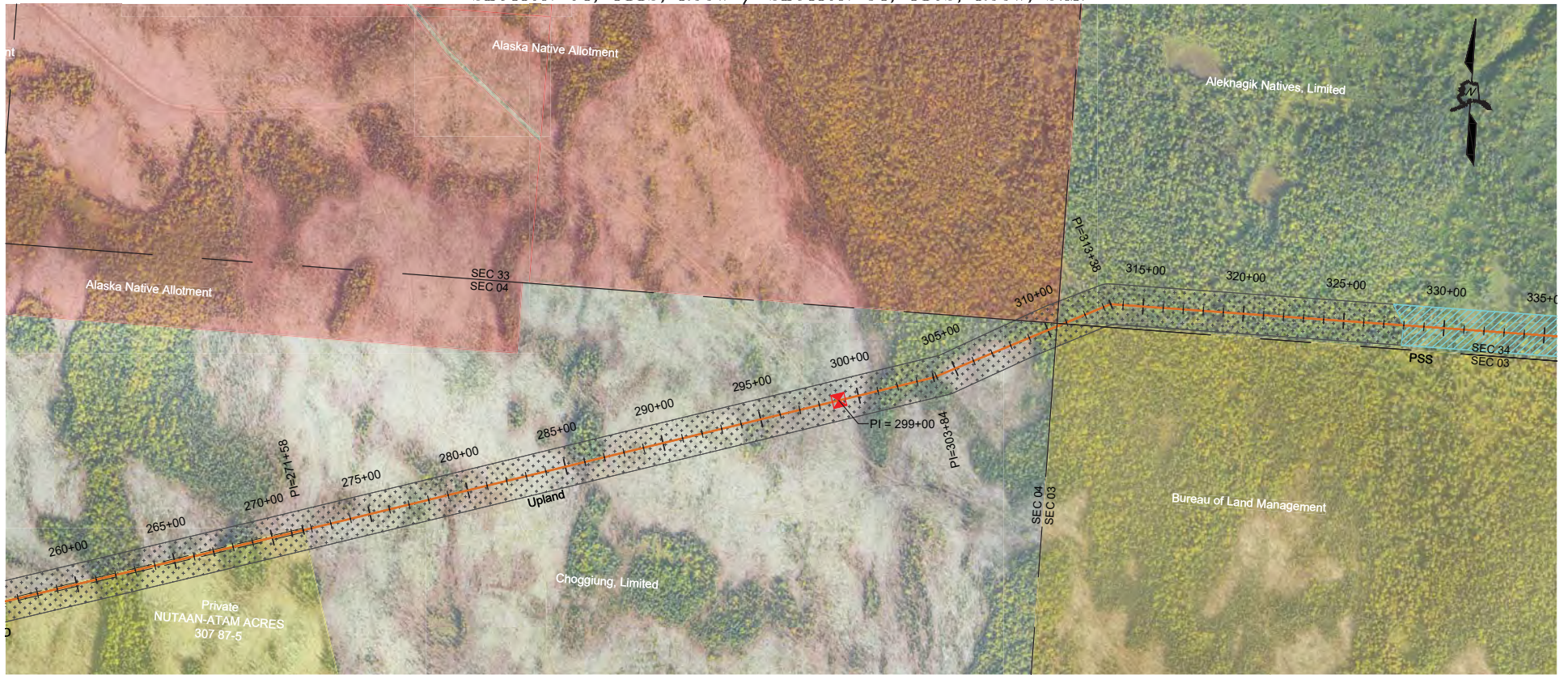
MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 STA 180+00 - STA 260+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-02
 SHEET: 08 OF 62

SECTION 04, T11S, R55W / SECTION 34, T10S, R55W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 8 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 260+00 - STA 330+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

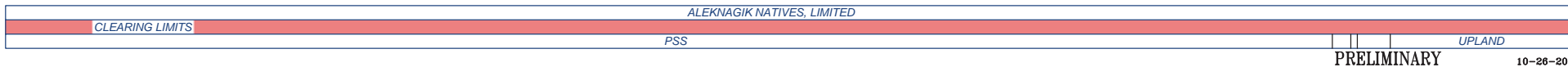
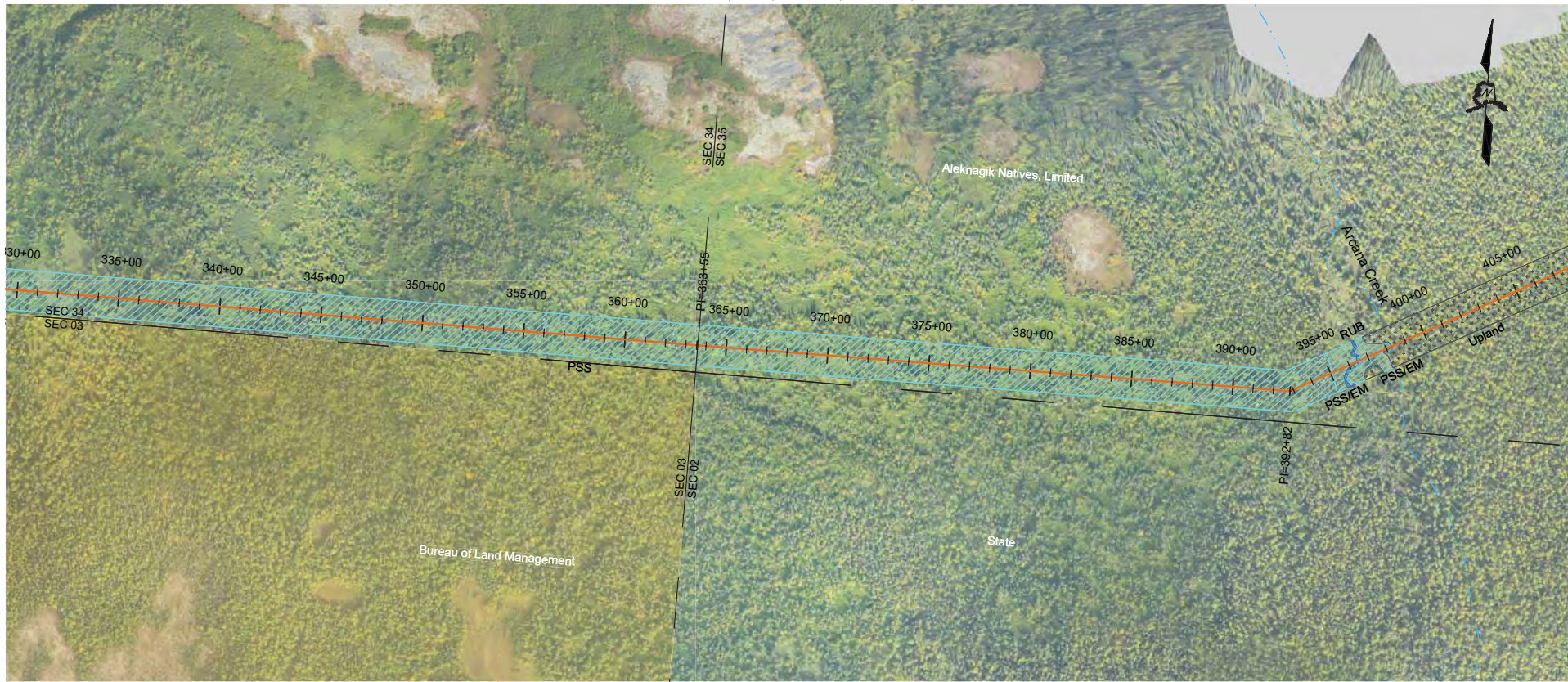
(WL)AE-03
 SHEET: 09 OF 62

STA 260+00 MATCHLINE - SHEET (WL)AE-02

STA 330+00 MATCHLINE - SHEET (WL)AE-04

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (01).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 34, 35, T10S, R55W, S.M.



STA 330+00 MATCHLINE - SHEET (WL)AE-03

STA 405+00 MATCHLINE - SHEET (WL)AE-05

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOX\600 SCALE AE - (01).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 9 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 STA 330+00 - STA 405+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

PRELIMINARY 10-26-2021

(WL)AE-04
 SHEET: 10 OF 62

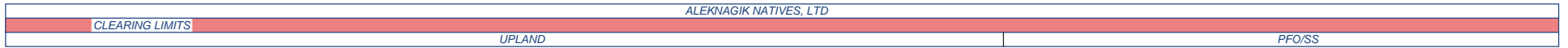
SECTION 35, 36, T10S, R55W / SECTION 31 T10S, R54W, S.M.



STA 405+00 MATCHLINE - SHEET (WL)AE-04

STA 475+00 MATCHLINE - SHEET (WL)AE-06

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\900 SCALE AE - (01).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 10 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 405+00 - STA 475+00

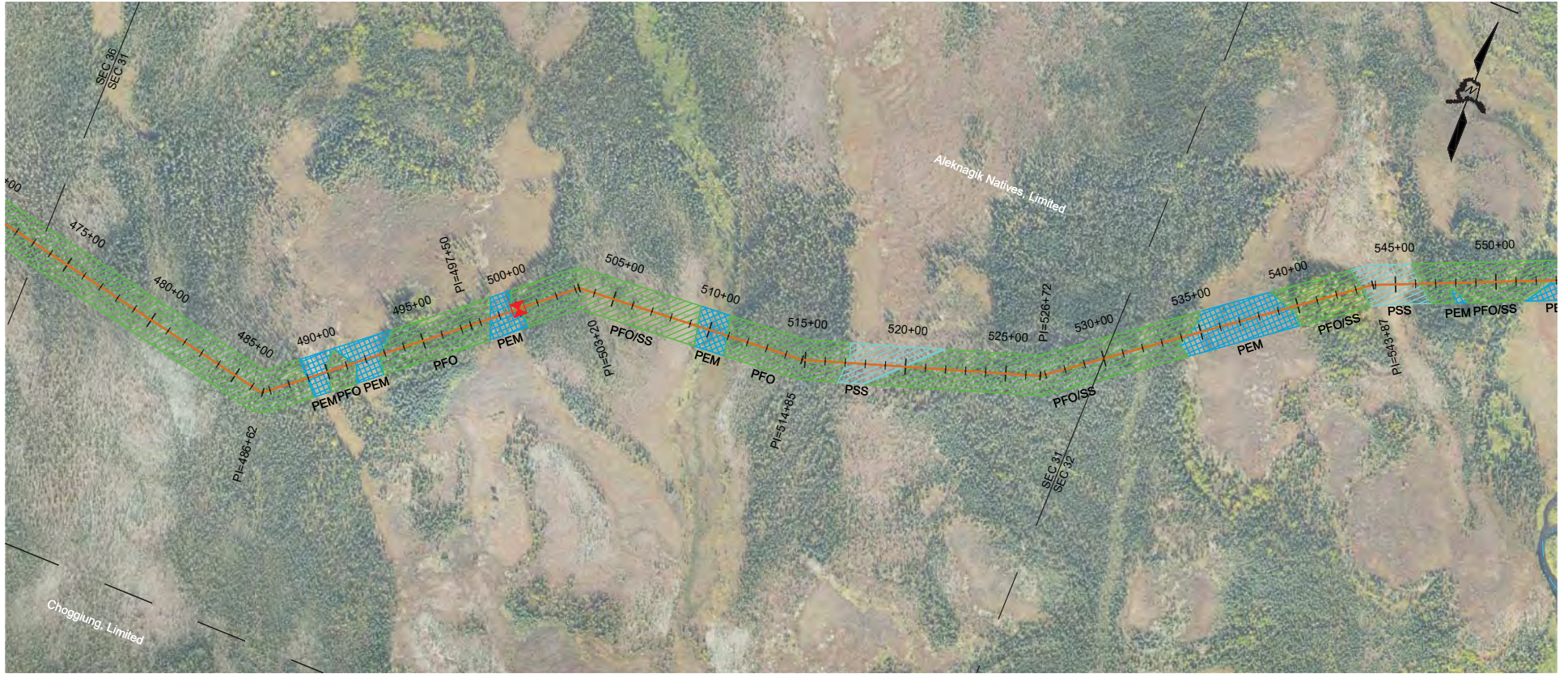
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DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-05

SHEET: 11 OF 62

SECTION 31, 32, T10S, R54W, S.M.



ALEKNAGIK NATIVES, LIMITED														
CLEARING LIMITS														
PFO/SS		PEM	PFO	PEM	PFO/SS	PEM	PFO	PSS	PFO/SS	PEM	PFO/SS	PSS	PFO/SS	

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 11 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 475+00 - STA 550+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

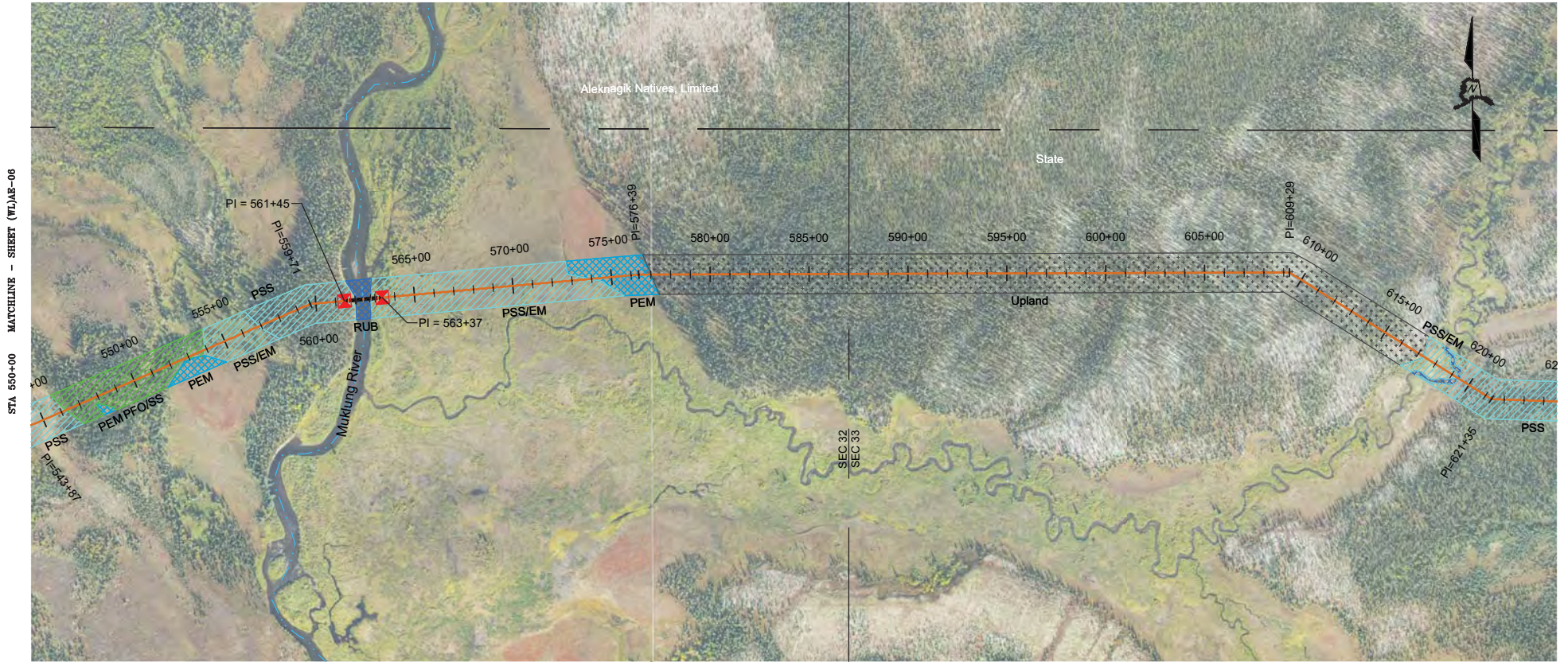
(WL)AE-06

SHEET: 12 OF 62

STA 475+00 MATCHLINE - SHEET (WL)AE-05

STA 550+00 MATCHLINE - SHEET (WL)AE-07
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SECTION 32,33, T10S, R54W, S.M.



ALEKNAGIK NATIVES, LIMITED					STATE OF ALASKA				
CLEARING LIMITS									
PFO/SS	PFO/EM	PFO/EM	PSS/EM	PEM	UPLAND				PSS/EM PSS

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 12 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 550+00 - STA 620+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-07

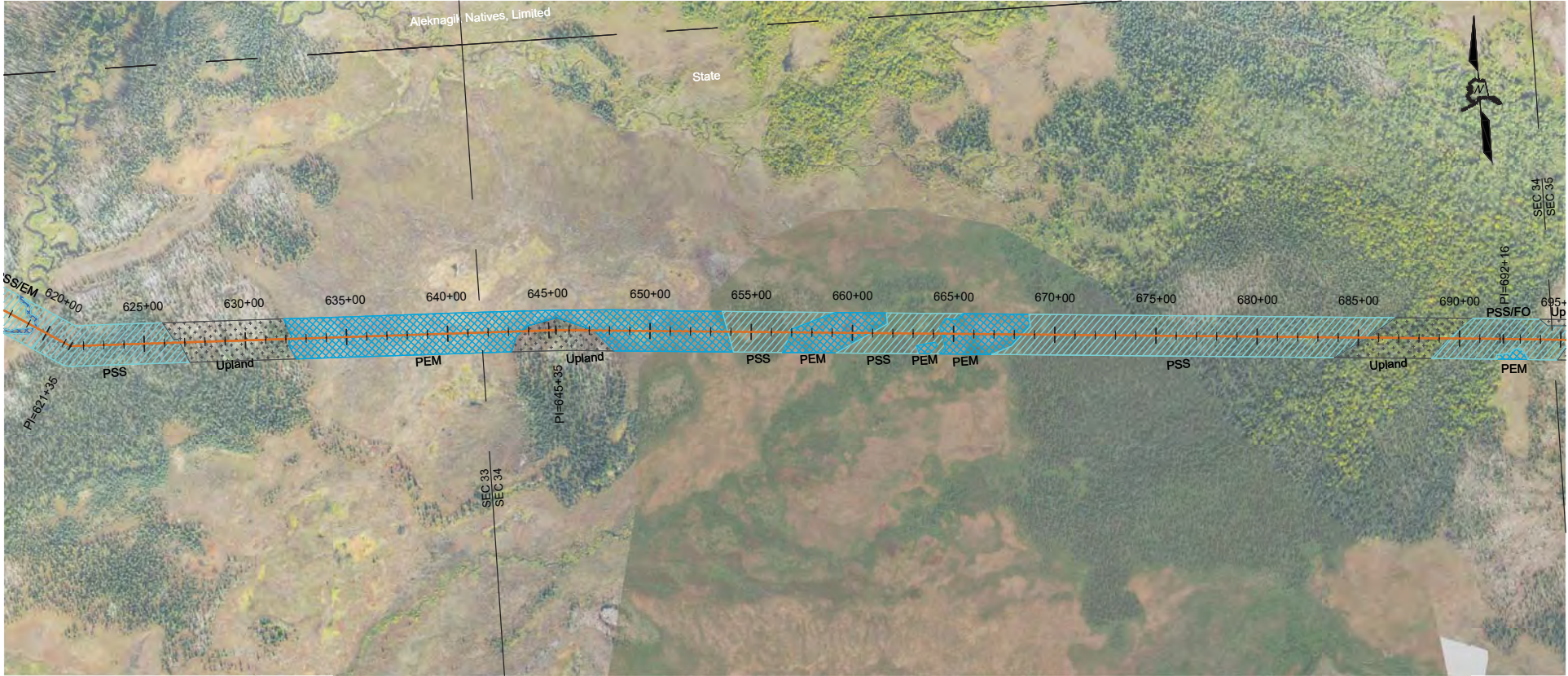
SHEET: 13 OF 62

STA 550+00 MATCHLINE - SHEET (WL)AE-06

STA 620+00 MATCHLINE - SHEET (WL)AE-08

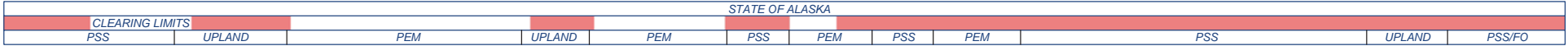
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SECTION 33, 34, T10S, R54W, S.M.



STA 620+00 MATCHLINE - SHEET (WL)AE-07

STA 693+00 MATCHLINE - SHEET (WL)AE-09



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 13 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 620+00 - STA 693+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-08

SHEET: 14 OF 62

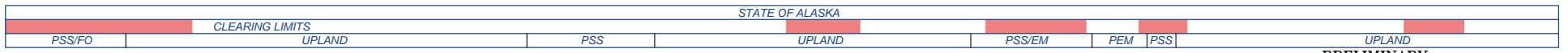
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SECTION 34, 35, 36, T10S, R54W, S.M.



STA 693+00 MATCHLINE - SHEET (WL)AE-08

STA 765+00 MATCHLINE - SHEET (WL)AE-10



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 14 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 693+00 - STA 765+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-09

SHEET: 15 OF 62

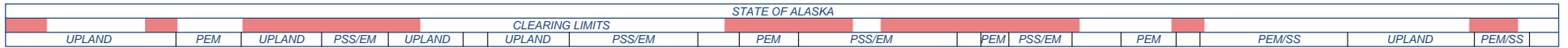
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SECTION 25, T10S, R54W / SECTION 30, T10S, R53W, S.M.



STA 765+00 MATCHLINE - SHEET (WL)AE-09

STA 835+00 MATCHLINE - SHEET (WL)AE-11
 FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (01).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 15 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 765+00 - STA 835+00

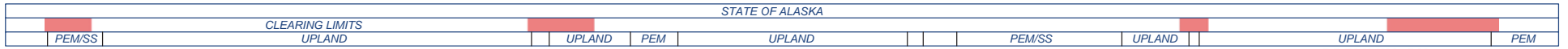
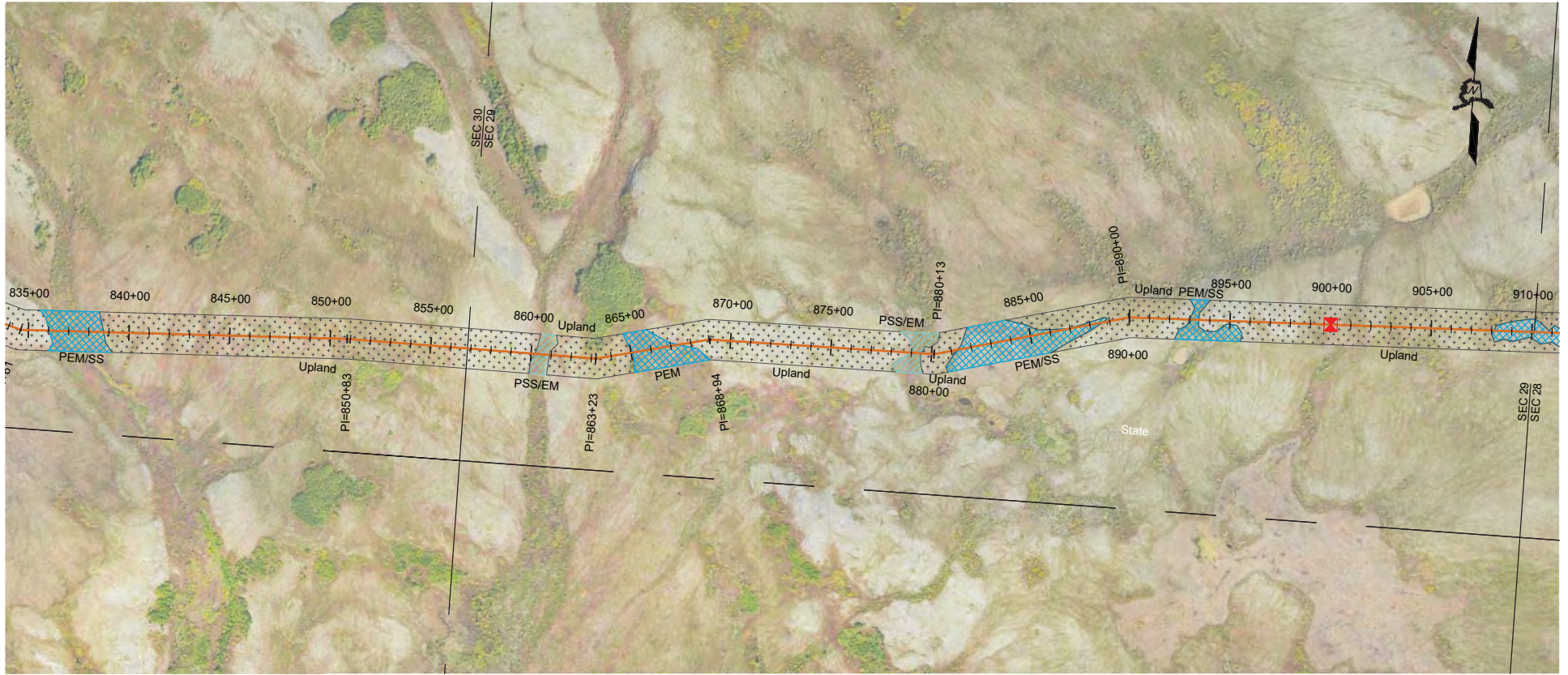
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 ADDITIONAL INFO: MP ##
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 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-10

SHEET: 16 OF 62

SECTION 30, 29, T10S, R51W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 16 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 820+00 - STA 835+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-11

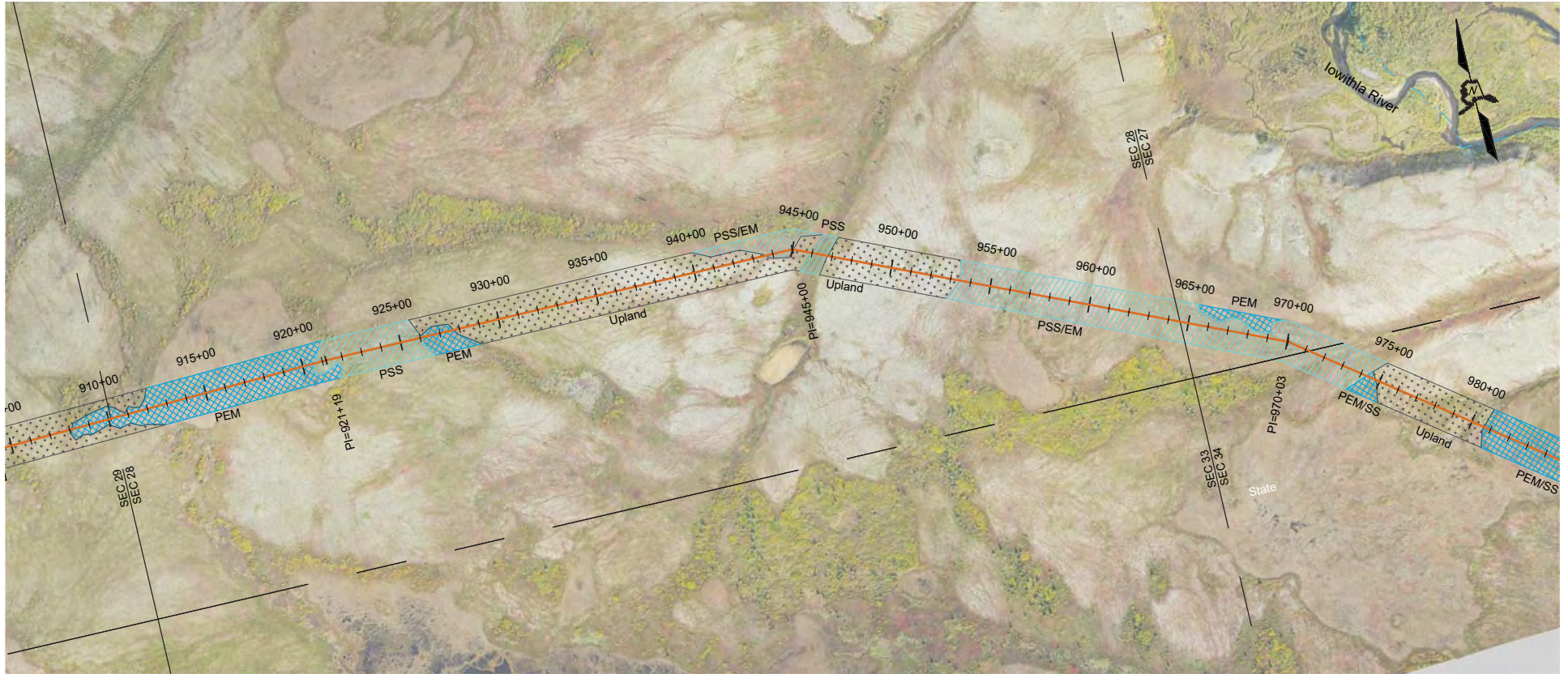
SHEET: 17 OF 62

STA 820+00 MATCHLINE - SHEET (WL)AE-10

STA 835+00 MATCHLINE - SHEET (WL)AE-12

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\900 SCALE AE - (02).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 29, 28, 27, 34, T10S, R53W, S.M.



STA 910+00 MATCHLINE - SHEET (WL)AE-11

STA MATCHLINE - SHEET (WL)AE-13

STATE OF ALASKA									
CLEARING LIMITS		PSS		UPLAND		PSS/EM		PEM/SS	
PEM		PSS	PEM	UPLAND		UPLAND	PSS/EM	UPLAND	PEM/SS

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 17 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 910+00 - STA

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-12

SHEET: 18 OF 62

SECTION 34, 35, T10S, R53W, S.M.



STATE OF ALASKA										
CLEARING LIMITS										
PEM/SS	UPLAND	PSS/EM				PSS/EM				PSS/EM

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 18 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 980+00 - STA 1055+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-13

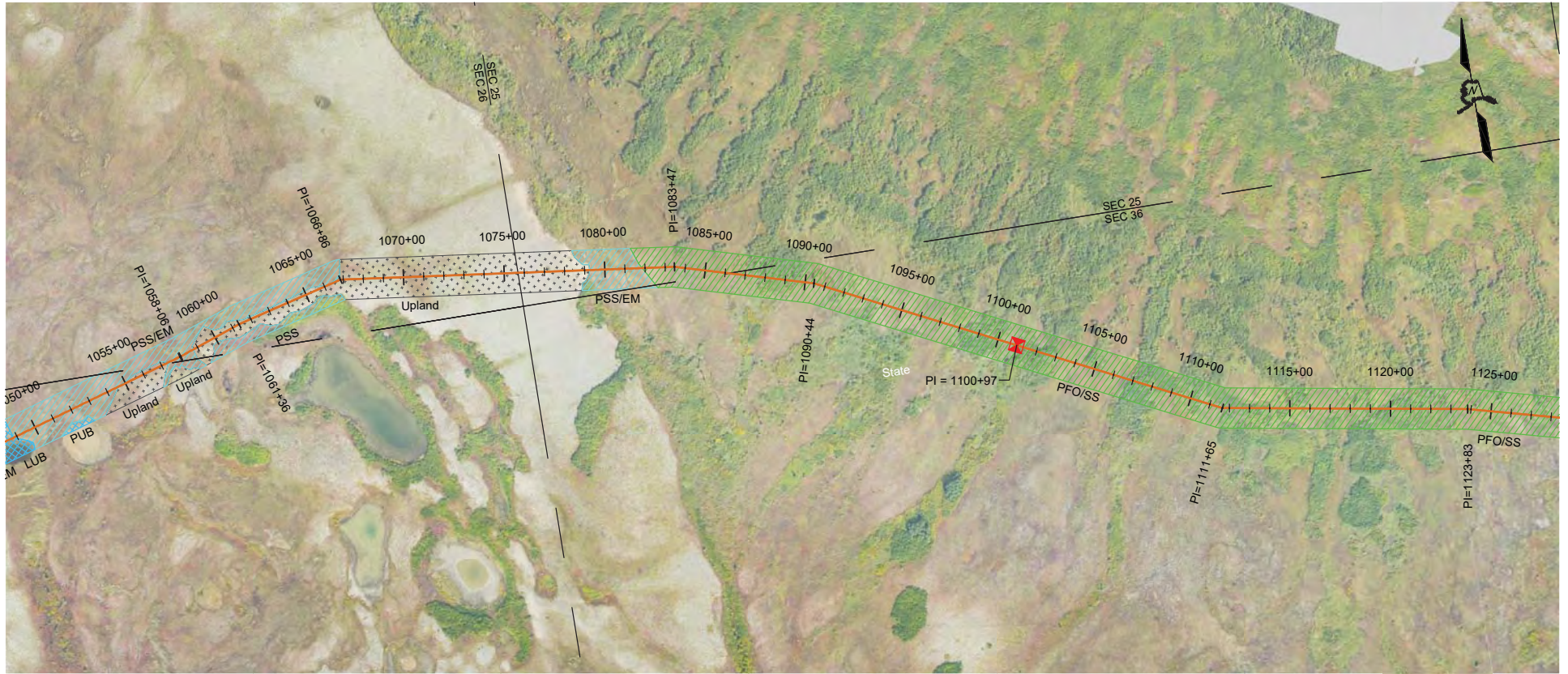
SHEET: 19 OF 62

STA 980+00 MATCHLINE - SHEET (WL)AE-12

STA MATCHLINE - SHEET (WL)AE-14

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\900 SCALE AE - (02).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 26, 25, 36, T10S, R53W, S.M.



STA 1065+00 MATCHLINE - SHEET (WL)AE-13

STA 1124+96 MATCHLINE - SHEET (WL)AE-15

CLEARING LIMITS		STATE OF ALASKA	
PSS/EM	UPLAND	PSS/EM	PFO/SS

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 19 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1055+00 - STA 1124+96

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

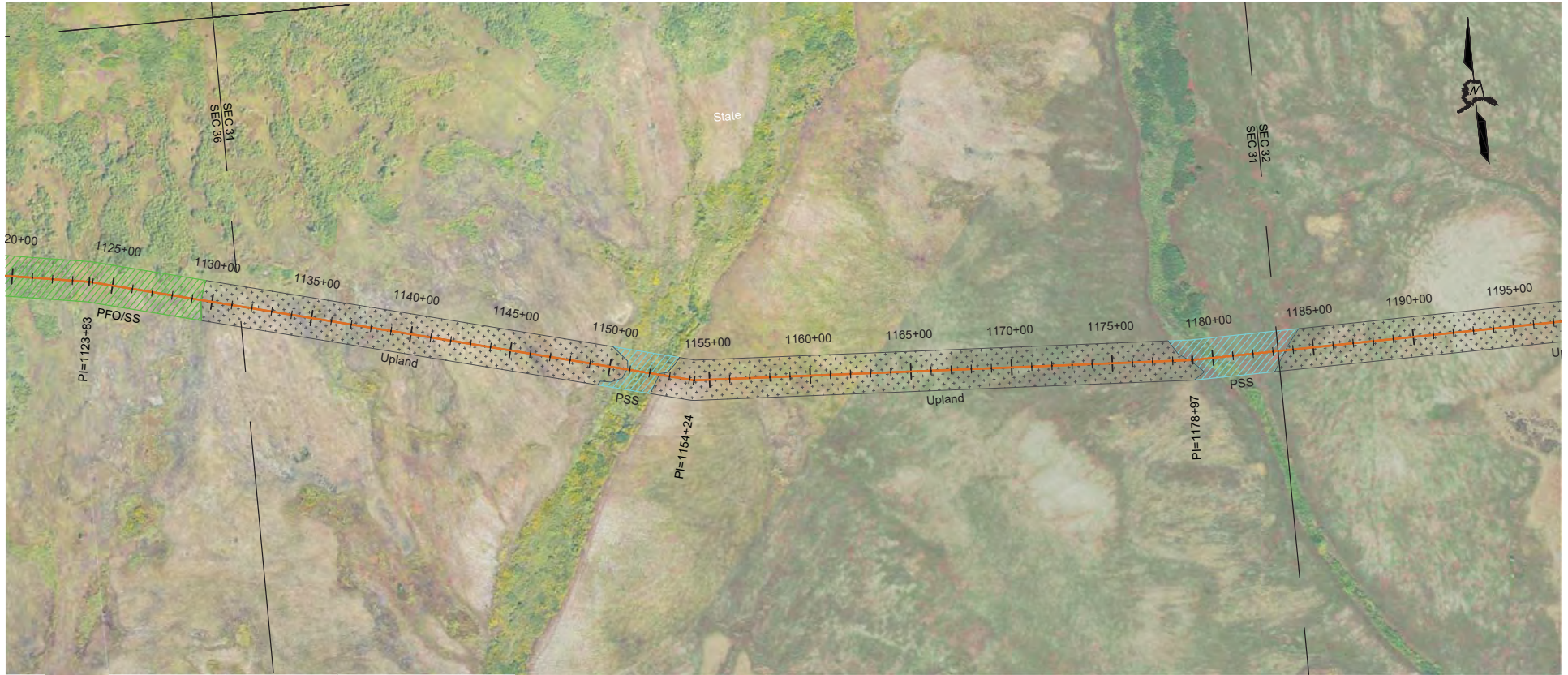
NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-14

SHEET: 20 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (02).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 31,32, T10S, R52W, S.M.



STA 1124+96 MATCHLINE - SHEET (WL)AE-14

STA 1195+00 MATCHLINE - SHEET (WL)AE-16
 FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\900 SCALE AE - 8-25-21 REALIGN.DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 20 of 61 Date: 1/22/2022



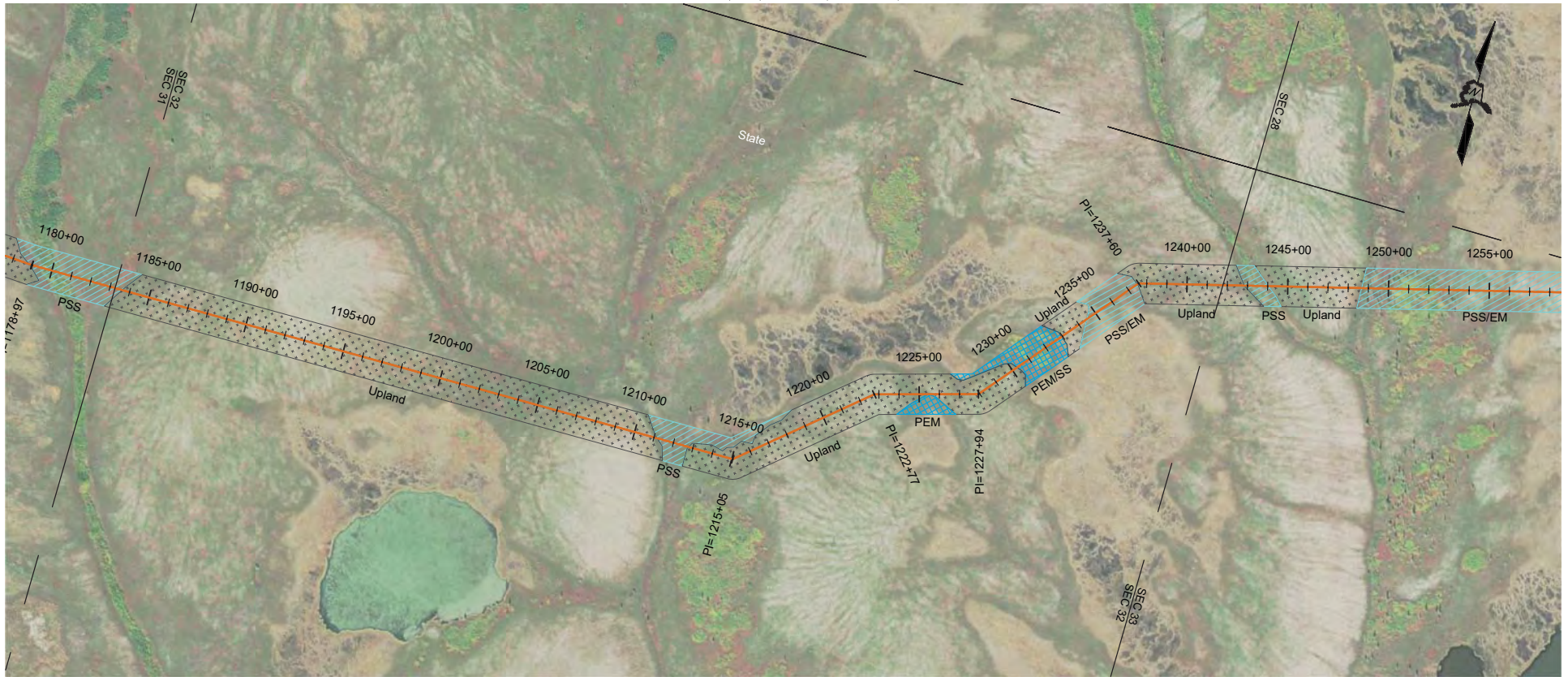
MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1124+96 - STA 1195+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-15
 SHEET: 21 OF 62

SECTION 32,33, T10S, R52W, S.M.



STATE OF ALASKA									
CLEARING LIMITS									
PSS	UPLAND			PSS	UPLAND	PSS/EM	UPLAND	UPLAND	PSS/EM

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 21 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1195+00 - STA 1245+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-16
 SHEET: 22 OF 62

STA 1195+00 MATCHLINE - SHEET (WL)AE-15

STA 1245+00 MATCHLINE - SHEET (WL)AE-17

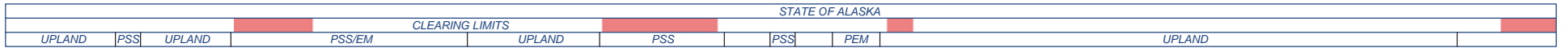
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SECTION 27,28,33, T10S, R52W, S.M.



STA 1245+00 MATCHLINE - SHEET (WL)AE-16

STA 1310+00 MATCHLINE - SHEET (WL)AE-18
 FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - 8-25-21 REALIGN.DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 22 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1245+00 - STA 1310+00

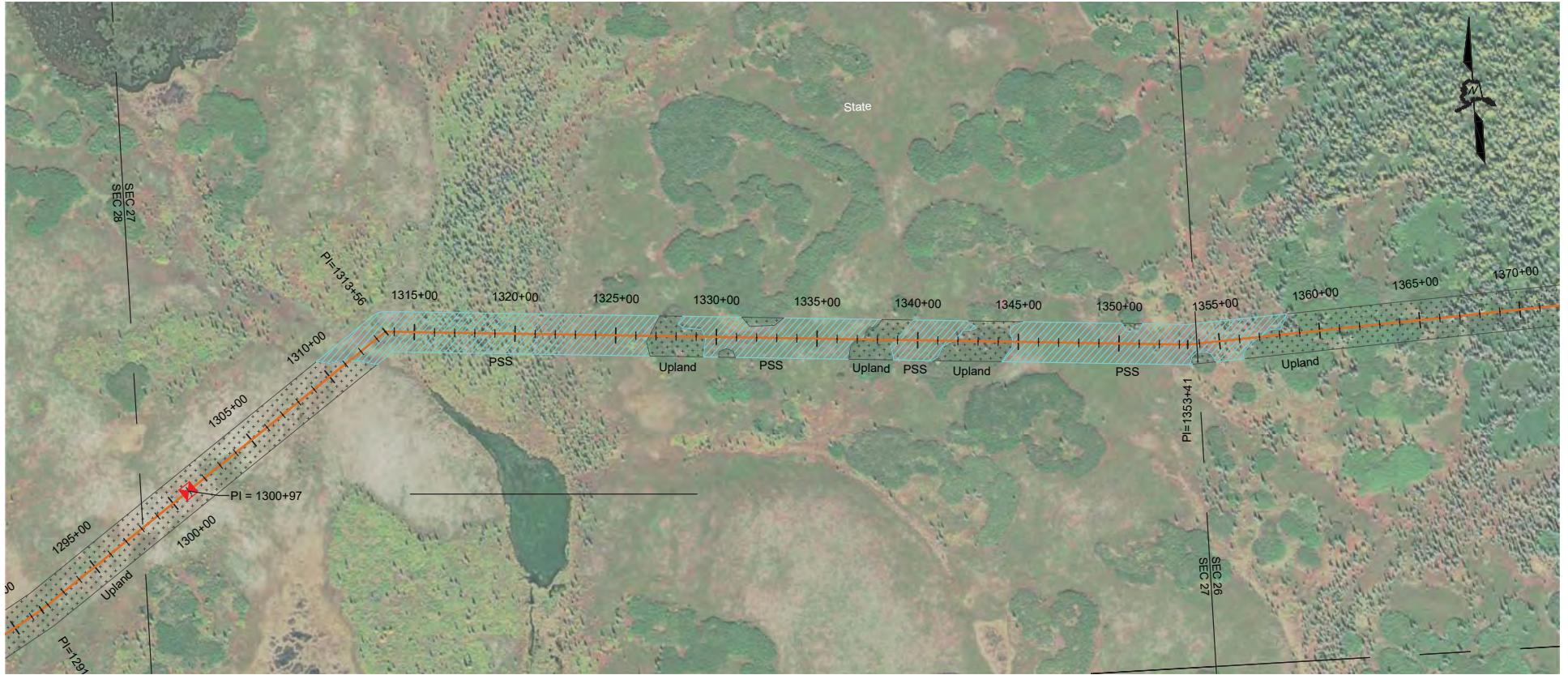
PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-17

SHEET: 23 OF 62

SECTION 26,27, T10S, R52W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 23 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1310+00 - STA 1385+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-18

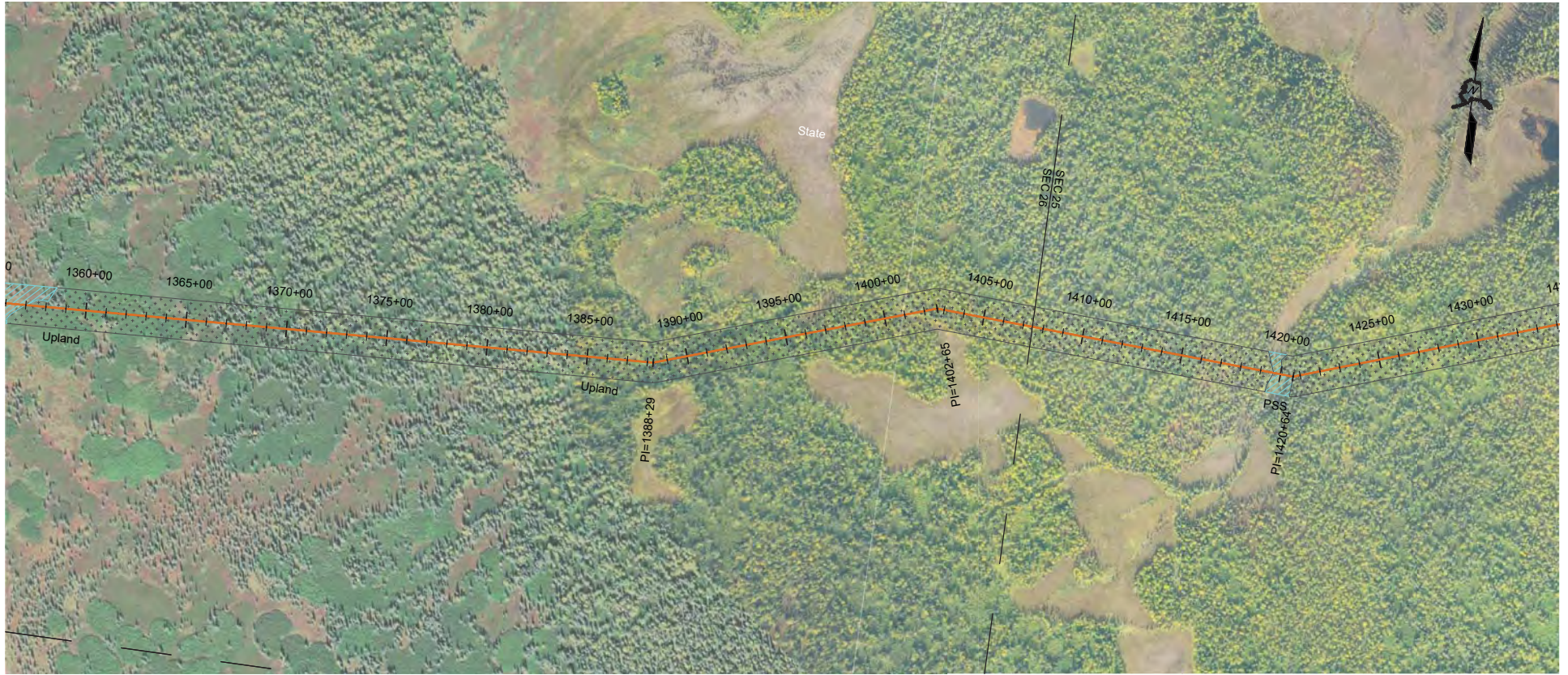
SHEET: 24 OF 62

STA 1310+00 MATCHLINE - SHEET (WL)AE-17

STA 1385+00MATCHLINE - SHEET (WL)AE-19

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM\01-CADD\WETLANDS\ALEKNAGIK-EKWOK\900 SCALE AE - 8-25-21 REALIGN.DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 25,26, T10S, R52W, S.M.



STA 1385+00 MATCHLINE - SHEET (WL)AE-18

STA 1420+00 MATCHLINE - SHEET (WL)AE-20

STATE OF ALASKA
CLEARING LIMITS
UPLAND

UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 24 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1385+00 - STA 1420+00

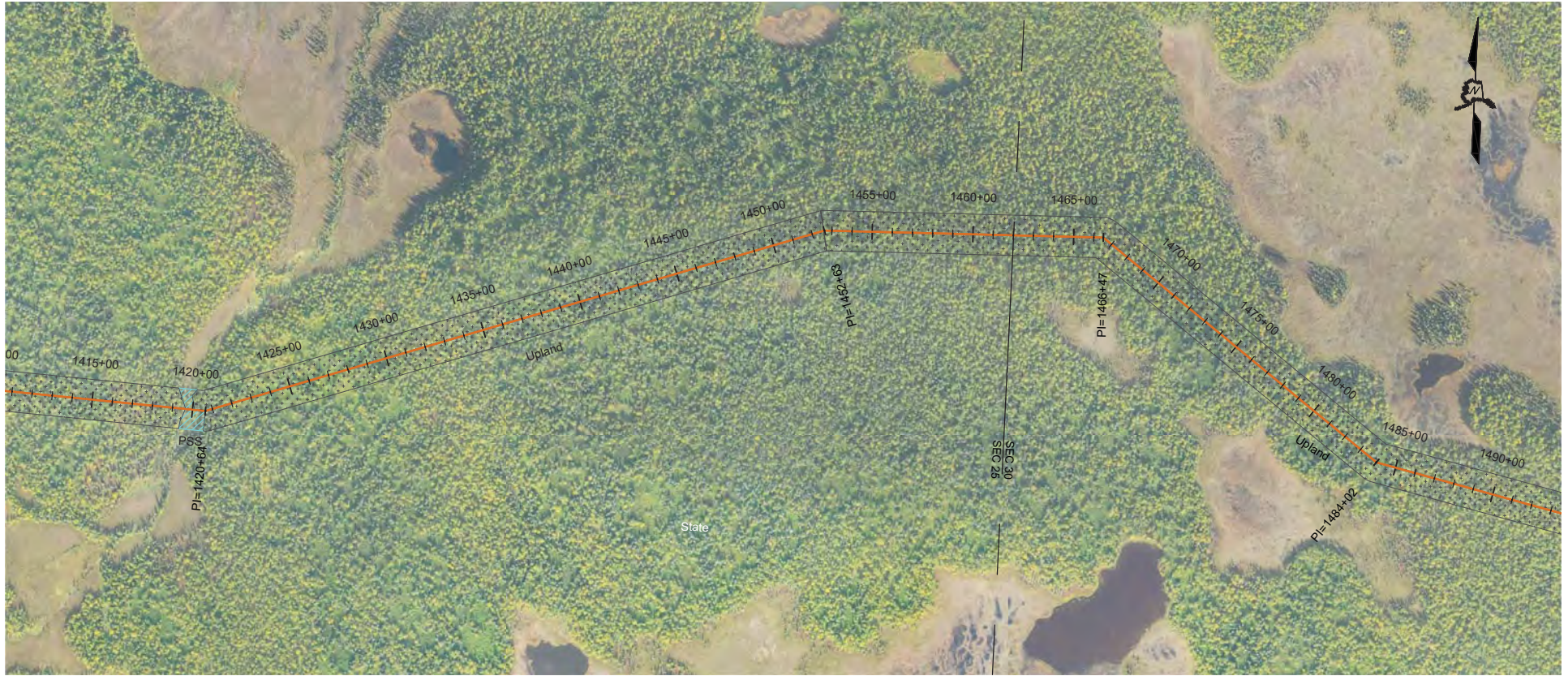
PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-19

SHEET: 25 OF 62

SECTION 25, T10S, R52W, SECTION 30, T10S, R51W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 25 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1420+00 - STA 1490+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

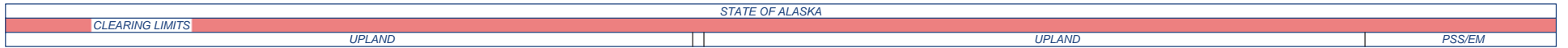
(WL)AE-20
 SHEET: 26 OF 62

STA 1420+00 MATCHLINE - SHEET (WL)AE-19

STA 1490+00 MATCHLINE - SHEET (WL)AE-21

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - 8-25-21 REALIGN.DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 30, 29, T10S, R51W, S.M.



STATE OF ALASKA

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 26 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1490+00 - STA 1550+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-21

SHEET: 27 OF 62

STA 1490+00 MATCHLINE - SHEET (WL)AE-20

STA 1550+00 MATCHLINE - SHEET (WL)AE-22

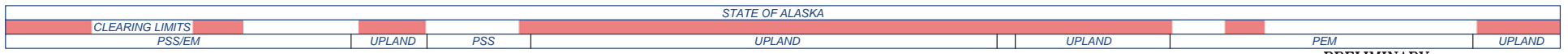
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SECTION 29, 28, 21, T10S, R51W, S.M.



STA 1550+00 MATCHLINE - SHEET (WL)AE-21

STA 1623+00 MATCHLINE - SHEET (WL)AE-23
 FILE: F:\NUSHAGAK\21-106 LEVELLOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\900 SCALE AE - (CS).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 27 of 61 Date: 1/22/2022



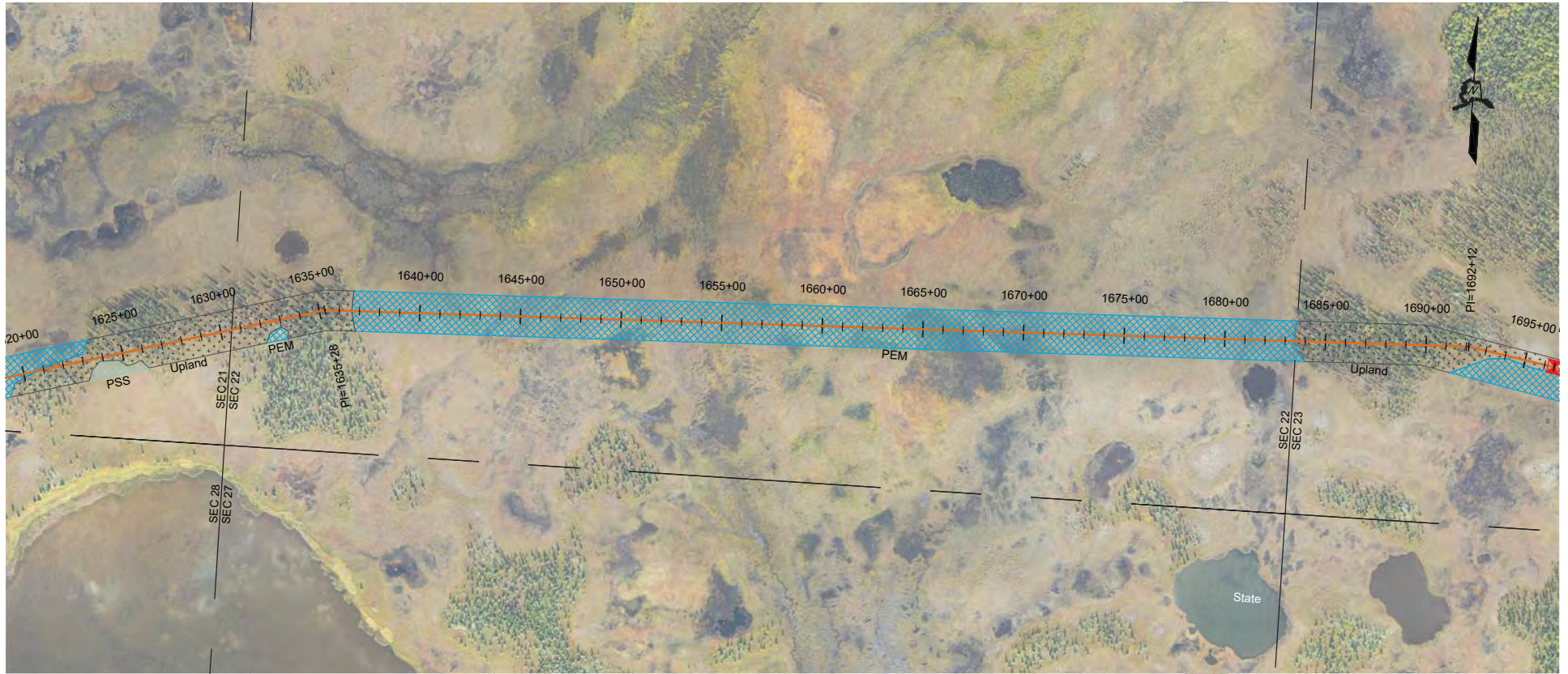
MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1550+00 - STA 1623+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

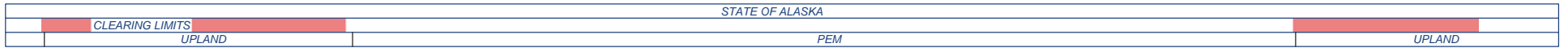
(WL)AE-22
 SHEET: 28 OF 62

SECTION 21, 22, 23, T10S, R51W, S.M.



STA 1623+00 MATCHLINE - SHEET (WL)AE-22

STA 1695+00 MATCHLINE - SHEET (WL)AE-24



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 28 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1623+00 - STA 1695+00

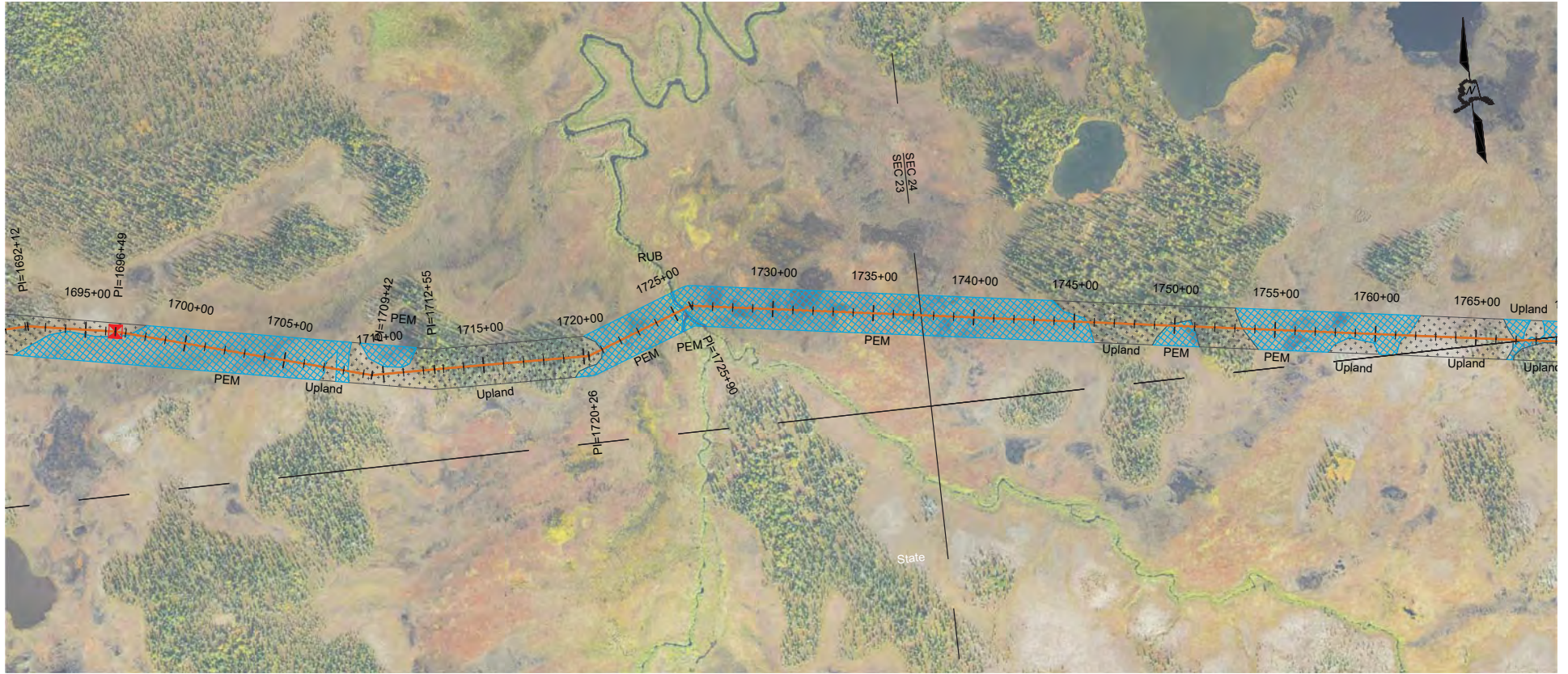
PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-23

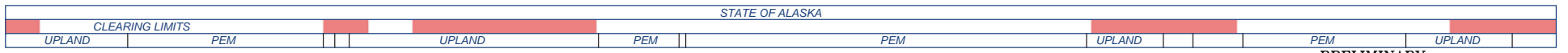
SHEET: 29 OF 62

SECTION 23, 24, T10S, R51W, S.M.



STA 1695+00 MATCHLINE - SHEET (WL)AE-23

STA 1765+00 MATCHLINE - SHEET (WL)AE-25



STATE OF ALASKA

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 29 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1695+00 - STA 1765+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-24

SHEET: 30 OF 62

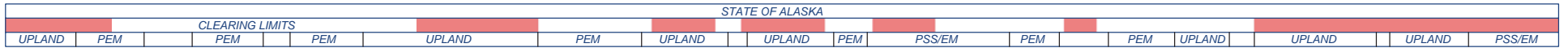
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SECTION 25, T10S, R51W / SECTION 30, T10S, R50W, S.M.



STA 1765+00 MATCHLINE - SHEET (WL)AE-24

STA 1840+00 MATCHLINE - SHEET (WL)AE-26



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 30 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 STA 1765+00 - STA 1840+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

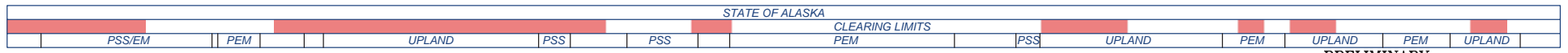
No.	REVISION DESCRIPTIONS	DATE

(WL)AE-25

SHEET: 31 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (C9).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 19, 20, 21, T10S, R50W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 31 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1840+00 - STA 1910+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-26
 SHEET: 32 OF 62

STA 1840+00 MATCHLINE - SHEET (WL)AE-25

STA 1910+00 MATCHLINE - SHEET (WL)AE-27

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (CS).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 21, 22, T10S, R50W, S.M.



STA 1910+00 MATCHLINE - SHEET (WL)AE-26

STA 1983+00 MATCHLINE - SHEET (WL)AE-28

STATE OF ALASKA												
CLEARING LIMITS												
UPLAND	PEM	UPLAND	PEM	UPLAND	PEM	PEM	UPLAND	PEM	UPLAND	PEM	UPLAND	PEM

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 32 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 STA 1910+00 - STA 1983+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-27

SHEET: 33 OF 62

SECTION 22, 15, 14, T10S, R50W, S.M.



STA 1983+00 MATCHLINE - SHEET (WL)AE-27

STA 2055+00 MATCHLINE - SHEET (WL)AE-29
 FILE: F:\NUSHAGAK\21-106 LEVELLOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (C9).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

STATE OF ALASKA											
UPLAND	PEM	UPLAND	PEM	UPLAND	PEM	PEM	UPLAND	PEM	UPLAND	PEM	UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 33 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 1983+00 - STA 2055+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-28

SHEET: 34 OF 62

SECTION 14, 13, 12, T10S, R50W, S.M.



STA 2055+00 MATCHLINE - SHEET (WL)AE-28

STA 2128+00 MATCHLINE - SHEET (WL)AE-30

STATE OF ALASKA						EKWOK NATIVES LIMITED					
PEM	UPLAND	PEM	UPLAND	PEM	UPLAND	PEM	UPLAND	PEM	UPLAND	UPLAND	PEM

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwox-Levelock, AK
 Lat/Long.: Multiple

 Sheet 34 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 STA 2055+00 - STA 2128+00

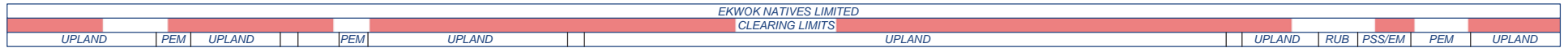
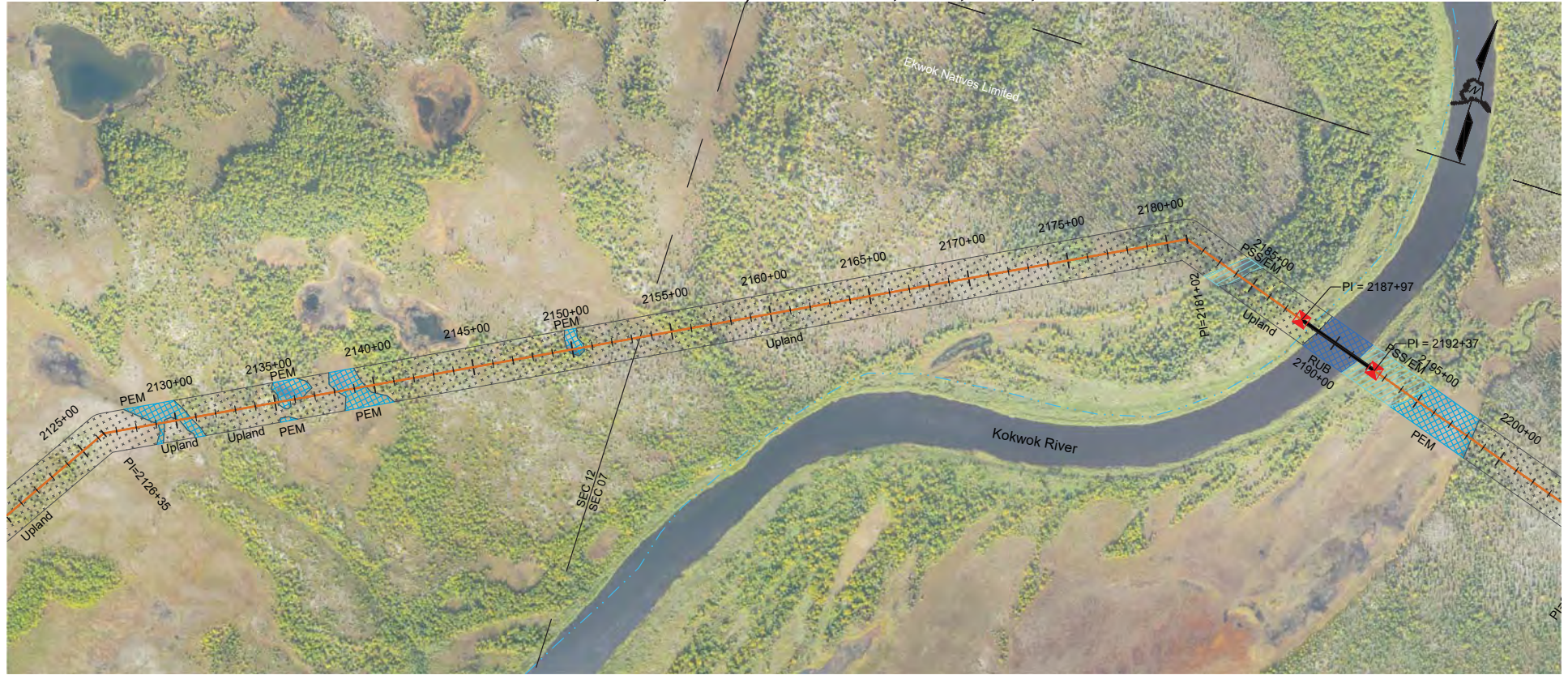
PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
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DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-29
 SHEET: 35 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (CG).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 12, T10S, R50W / SECTION 07, T10S, R49W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 35 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2128+00 - STA 2200+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

No.	REVISION DESCRIPTIONS	DATE

(WL)AE-30
 SHEET: 36 OF 62

STA 2128+00 MATCHLINE - SHEET (WL)AE-29

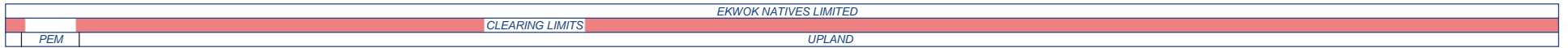
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 FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (C9).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 07, 08, 05, T10S, R49W, S.M.



STA 2200+00 MATCHLINE - SHEET (WL)AE-30

STA 2270+00 MATCHLINE - SHEET (WL)AE-32



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 36 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2200+00 - STA 2270+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-31

SHEET: 37 OF 62

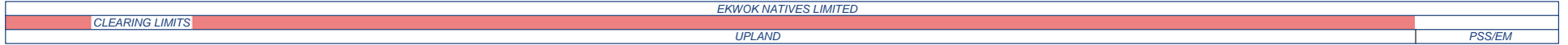
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SECTION 04, 03, T10S, R49W, S.M.



STA 2270+00 MATCHLINE - SHEET (WL)AE-31

STA 2340+00 MATCHLINE - SHEET (WL)AE-33



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 37 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2270+00 - STA 2340+00

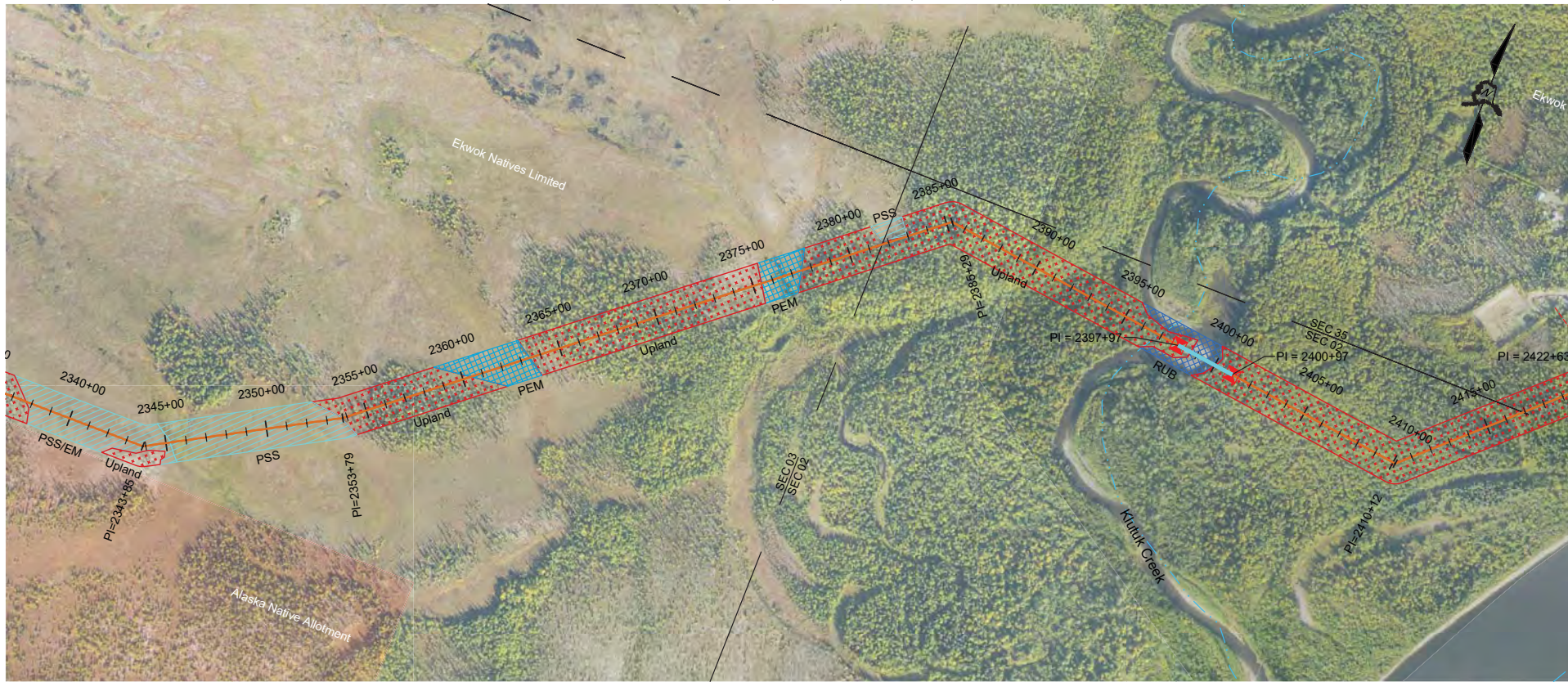
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ADDITIONAL INFO:	MP ##
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DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-32

SHEET: 38 OF 62

SECTION 03, 02, T10S, R49W, S.M.



CLEARING LIMITS		EKWOK NATIVES LIMITED					EKWOK	
PSS/EM	PSS	UPLAND	PEM	UPLAND	PEM	UPLAND	RUB	UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 38 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2340+00 - STA 2415+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DRAWN BY:	MSF
DESIGNED BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-33

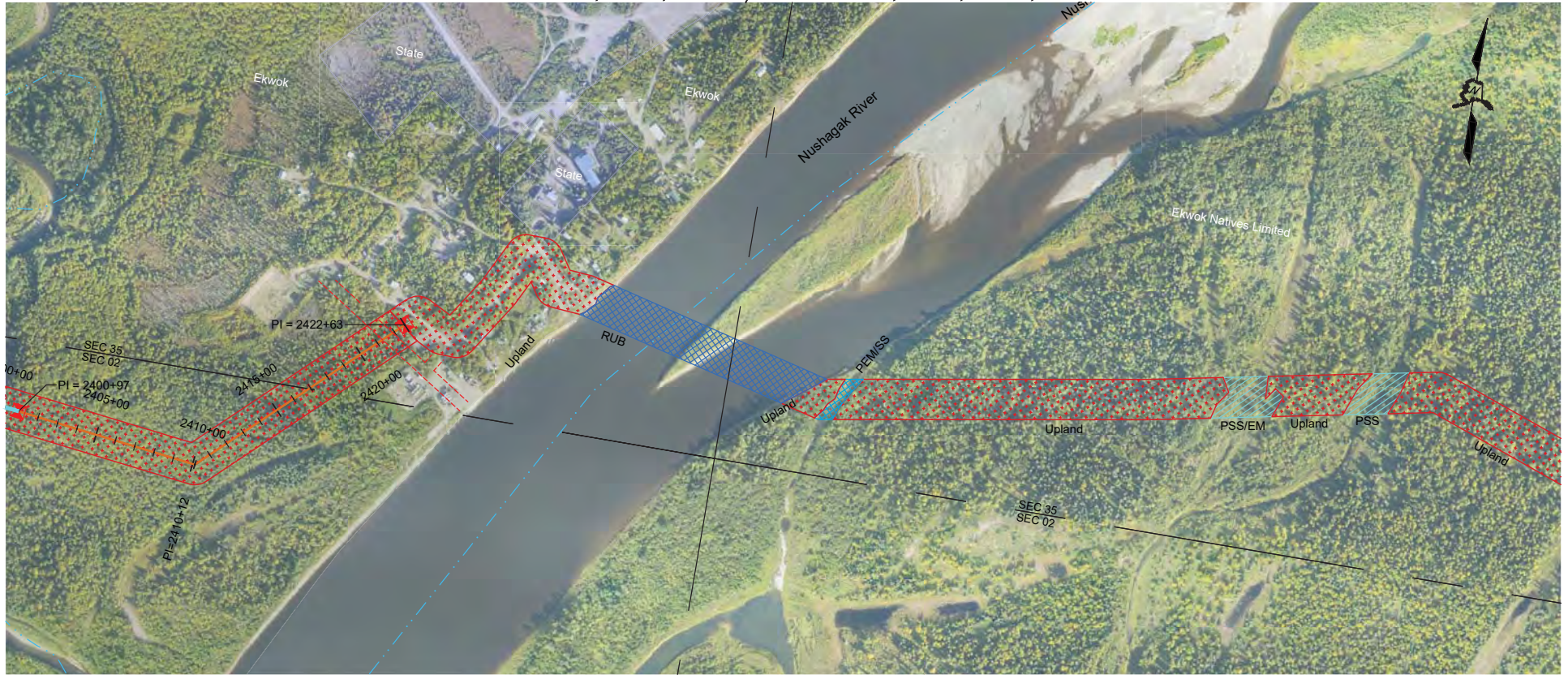
SHEET: 39 OF 62

STA 2340+00 MATCHLINE - SHEET (WL)AE-32

STA 2415+00 MATCHLINE - SHEET (WL)AE-34

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (04).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 02, T10S, R49W / SECTION 35, T09S, R49W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 39 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2415+00 - STA 2422+63

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)AE-34

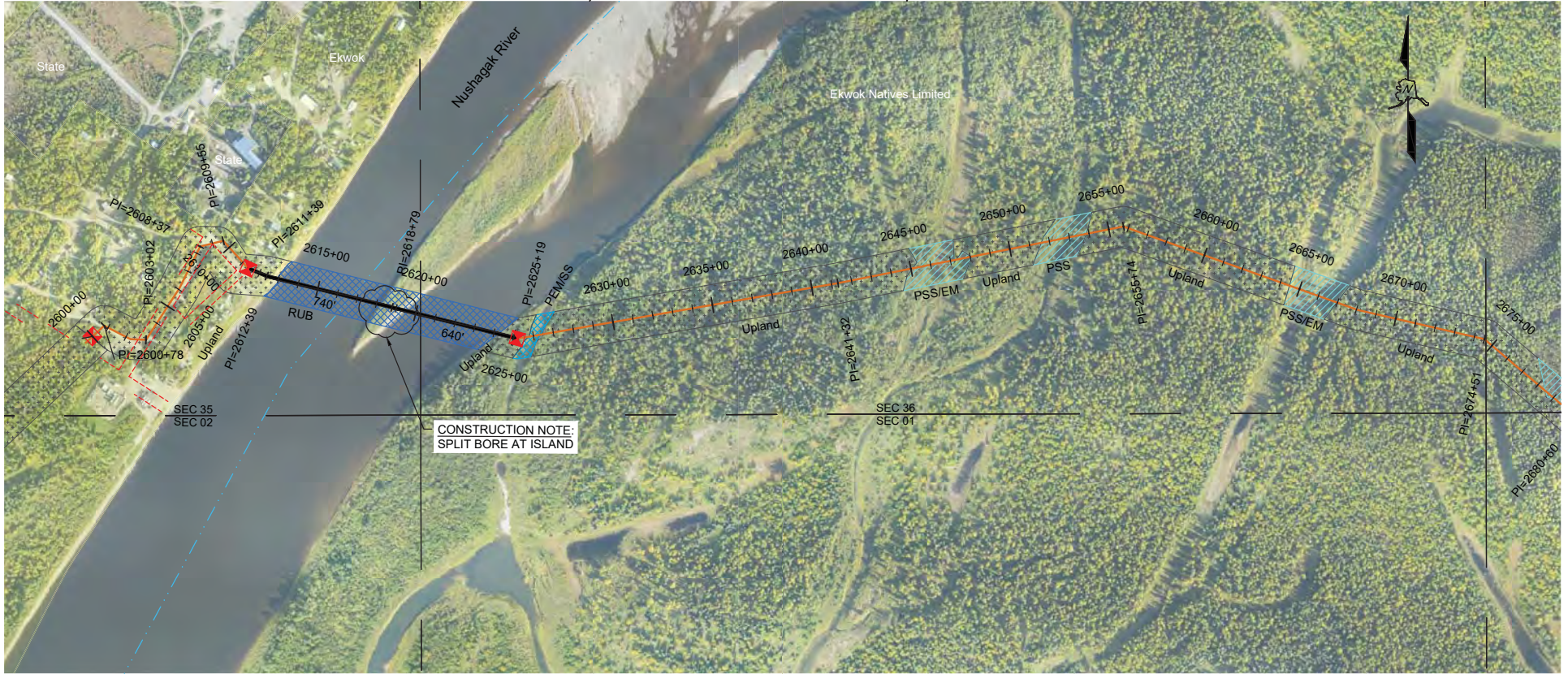
SHEET: 40 OF 62

STA 2415+00 MATCHLINE - SHEET (WL)AE-33

STA 2422+63 MATCHLINE - SHEET EL--

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ALEKNAGIK-EKWOK\600 SCALE AE - (04).DWG I PLOT DATE: 11/11/2021 I PLOT SCALE: 1:1

SECTION 35, T09S, R49W / SECTION 2, 1, T10S, R49W / SECTION 36, T09S, R49W S.M.



STA 2600+00 MATCHLINE -- SHEET (WL)EL--

STA 2675+00 MATCHLINE -- SHEET (WL)EL-02

EKWOK		EKWOK NATIVES LIMITED									
CLEARING LIMITS											
UPLAND	RUB			UPLAND	PSS/EM	UPLAND	PSS	UPLAND	PSS/EM	UPLAND	

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple
 Sheet 40 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2600+00 - STA 2675+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-01
 SHEET: 41 OF 62

SECTION 31, T09S, R48W / SECTION 06, 05, T10S, R48W, S.M.



EKWOK NATIVES LIMITED

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 41 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2675+00 - STA 2744+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

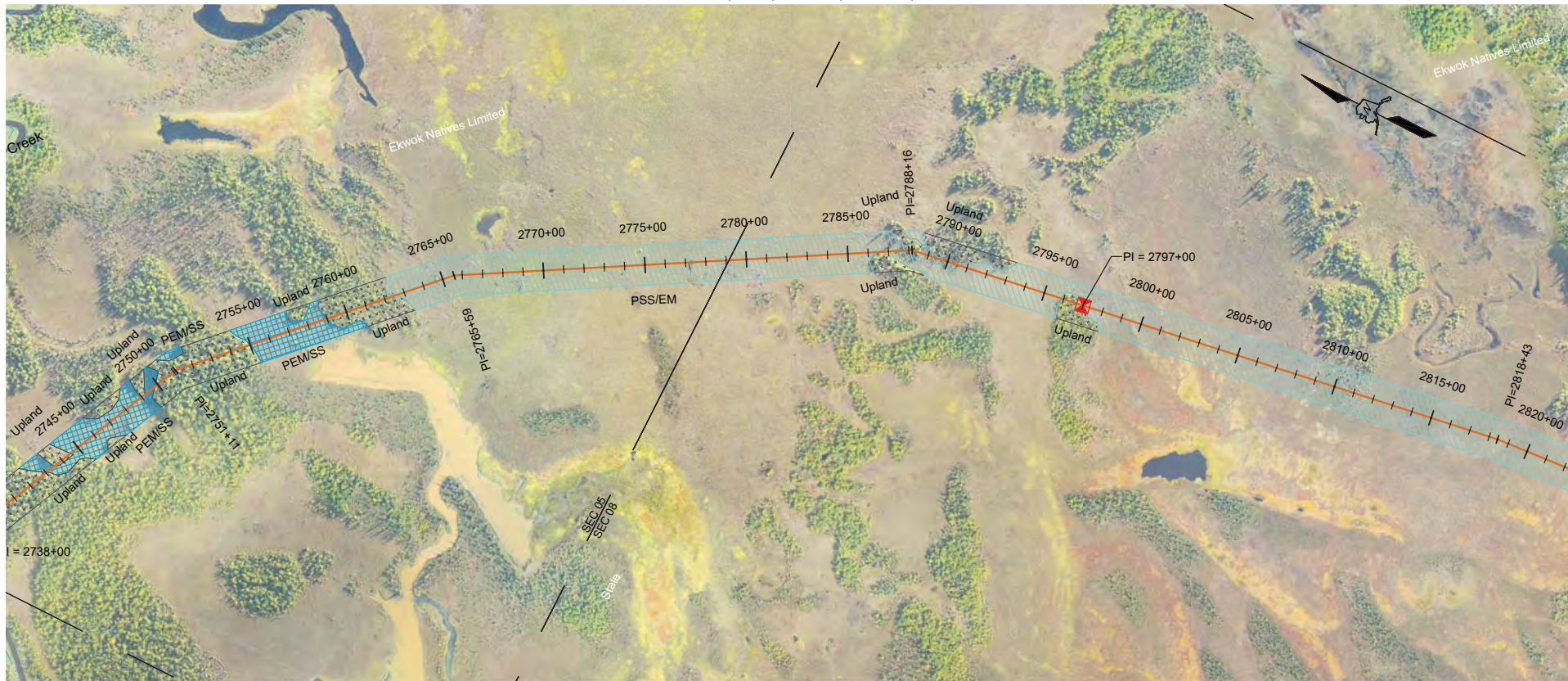
(WL)EL-02
 SHEET: 42 OF 62

STA 2675+00 MATCHLINE - SHEET (WL)EL-01

STA 2744+00MATCHLINE - SHEET (WL)EL-03

FILE: F:\NUSHAGAK\21-106 LEVELOCK\LEVELOCK\500 SCALE EL - (01).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 05, 08, T10S, R48W, S.M.



STA 2744+00 MATCHLINE - SHEET (WL)EL-02

STA 2818+00 MATCHLINE - SHEET (WL)EL-04

EKWOK NATIVES LIMITED				CLEARING LIMITS				STATE OF ALASKA			
PEM/SS	UPLAND	PEM/SS	UPLAND	PEM/SS	UPLAND	PEM/SS	UPLAND	PEM/SS	UPLAND	PEM/SS	UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 42 of 61 Date: 1/22/2022

MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2744+00 - STA 2818+00

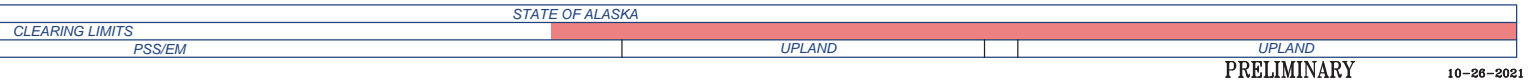
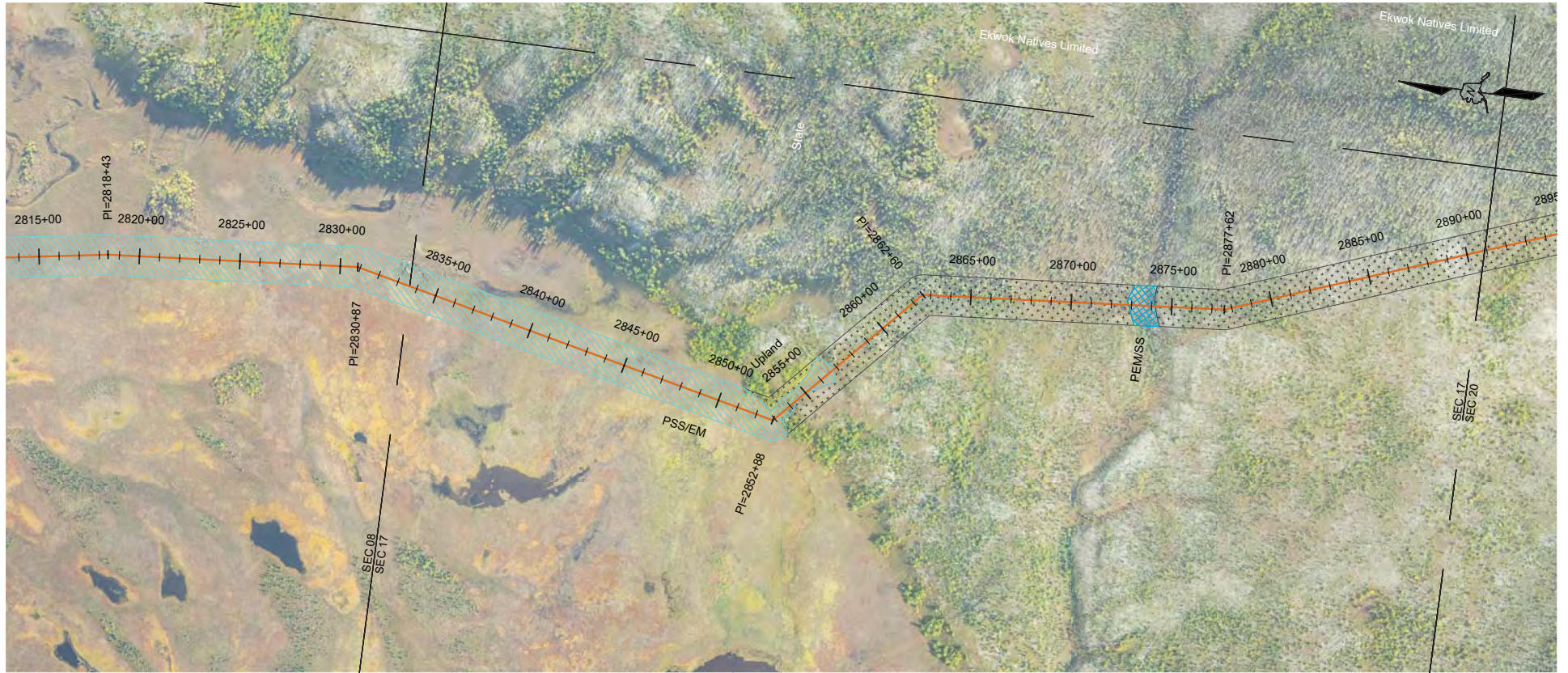
PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-03
 SHEET: 43 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK\LEVELOCK\500 SCALE EL - (01).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 08, 17, 20, T10S, R48W, S.M.



Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 43 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2816+00 - STA 2888+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-04

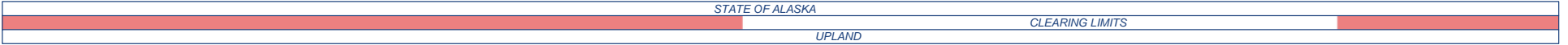
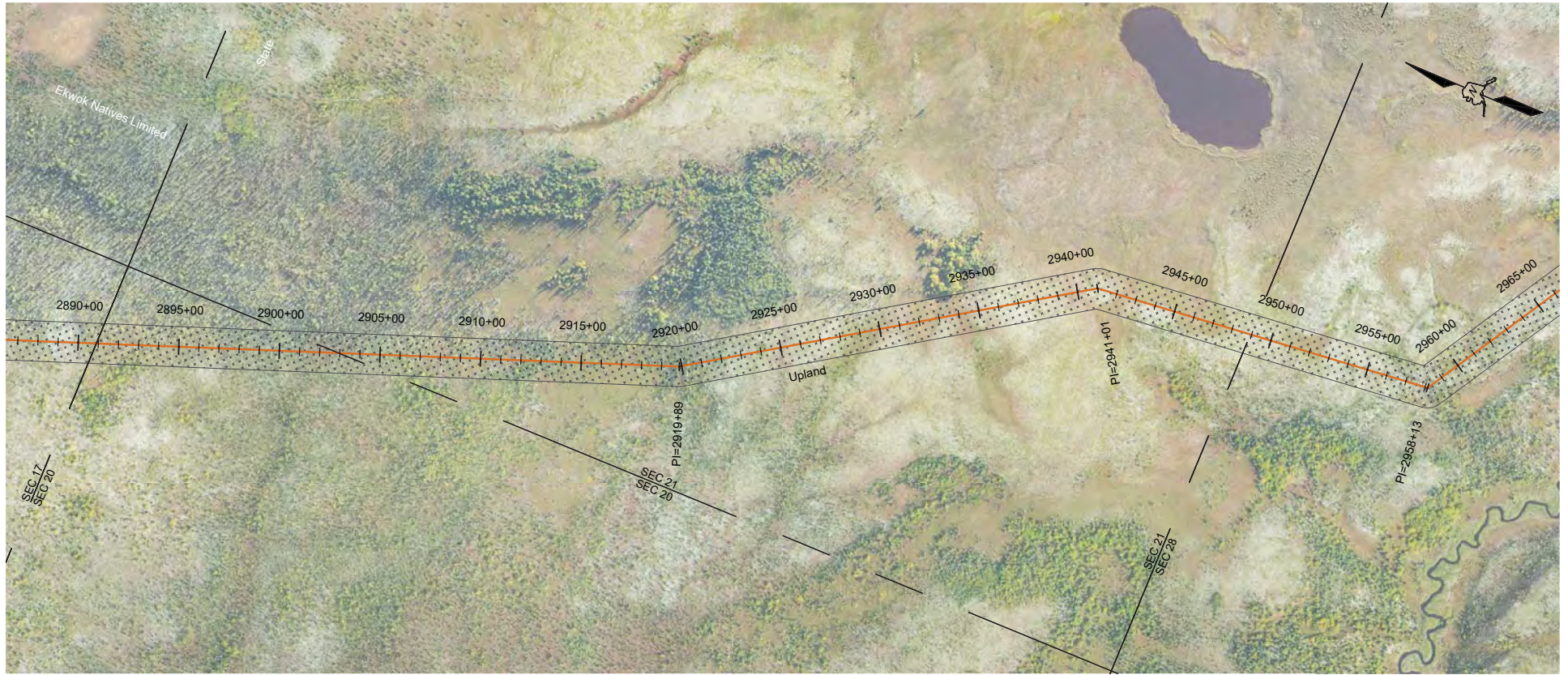
SHEET: 44 OF 62

STA 2816+00 MATCHLINE - SHEET (WL)EL-03

STA 2888+00MATCHLINE - SHEET (WL)EL-05

FILE: F:\NUSHAGAK\21-106 LEVELOCK\LEVELOCK-LEVELOCK\500 SCALE EL - (01).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 17, 20, 21, 28, T10S, R48W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 44 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2888+00 - STA 2960+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-05

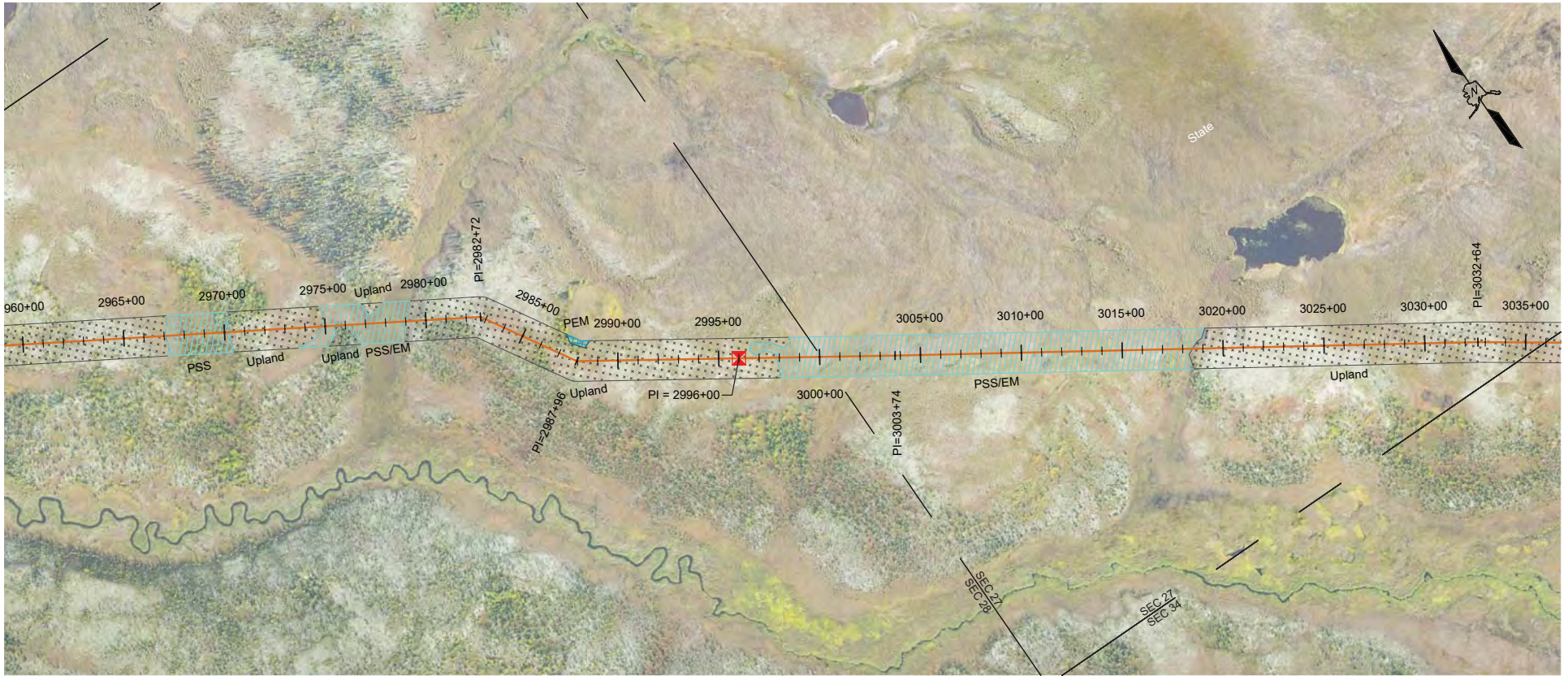
SHEET: 45 OF 62

STA 2888+00 MATCHLINE - SHEET (WL)EL-04

STA 2960+00 MATCHLINE - SHEET (WL)EL-06

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM\01-CADD\WETLANDS\EKWOK-LEVELOCK\500 SCALE EL - (01).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 28, 27, T10S, R48W, S.M.



UPLAND	PSS	UPLAND	PSS/EM	UPLAND	PSS/EM	UPLAND
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STATE OF ALASKA
CLEARING LIMITS

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 45 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 2960+00 - STA 3032+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

No.	REVISION DESCRIPTIONS	DATE

(WL)EL-06

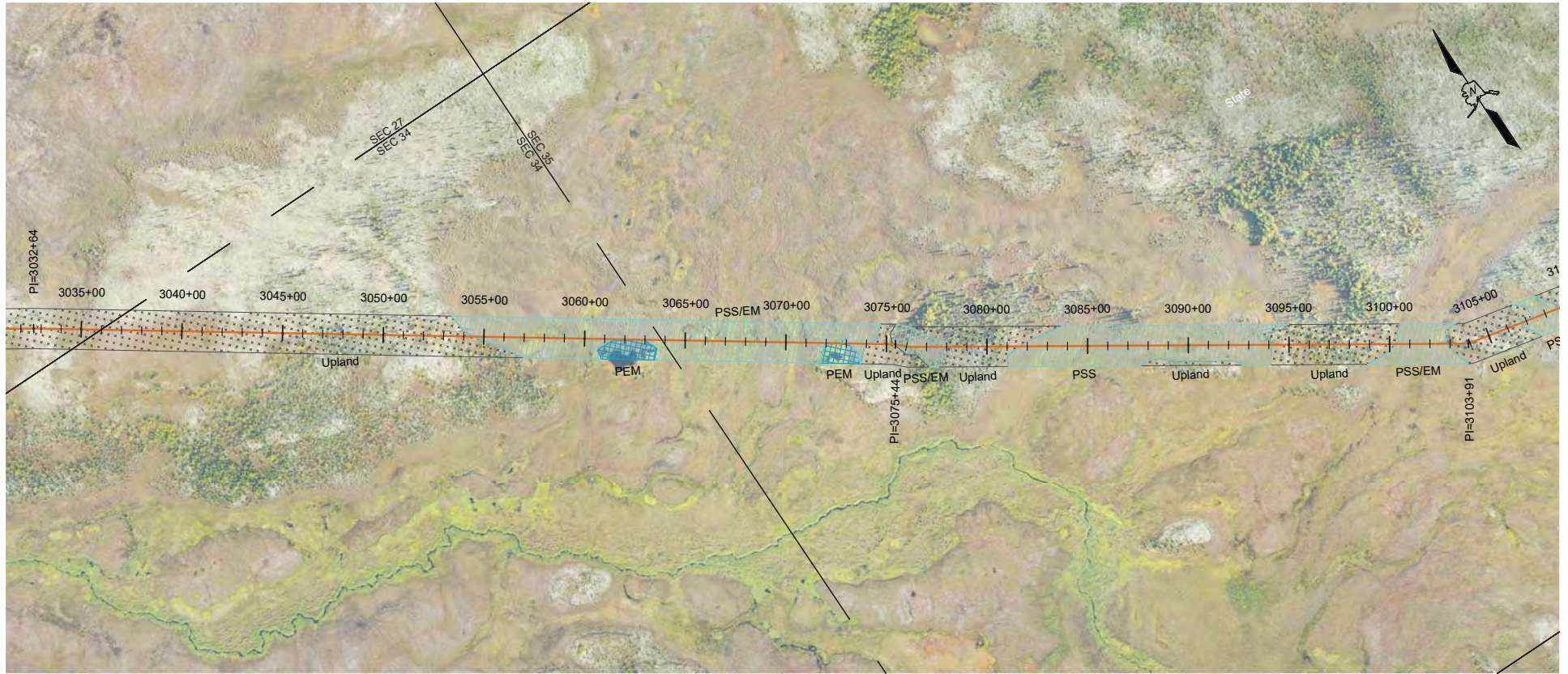
SHEET: 46 OF 62

STA 2960+00 MATCHLINE - SHEET (WL)EL-05

STA 3032+00 MATCHLINE - SHEET (WL)EL-07

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (01)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 27, 34, 35, T10S, R48W, S.M.



STA 3032+00 MATCHLINE - SHEET (WL)EL-06

STA 3104+00MATCHLINE - SHEET (WL)EL-08



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 46 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3032+00 - STA 3104+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-07

SHEET: 47 OF 62

SECTION 35, 36, T10S, R48W / SECTION 01, T11S, R48W, S.M.



STA 3104+00 MATCHLINE - SHEET (WL)EL-07

STA 3176+00 MATCHLINE - SHEET (WL)EL-09

STATE OF ALASKA									
UPLAND	PSS	UPLAND	CLEARING LIMITS	UPLAND	PEM/SS	UPLAND	PSS/EM	PSS/EM	PEM/SS

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 47 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3104+00 - STA 3176+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

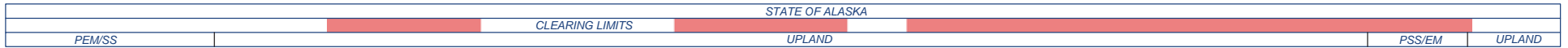
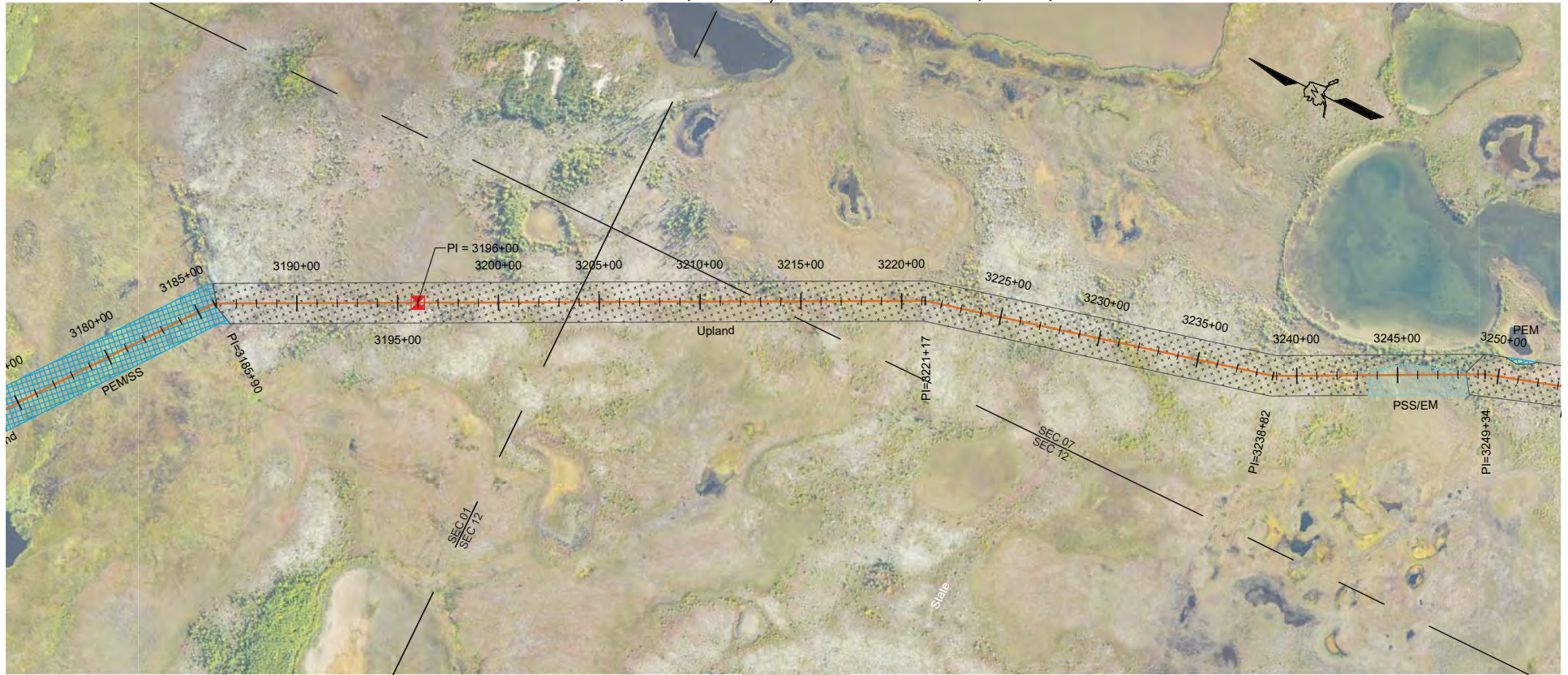
NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-08

SHEET: 48 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKWK-LEVELOCK\500 SCALE EL - (01).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 01, 12, T11S, R48W / SECTION 07 T11S, R47W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 48 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3176+00 - STA 3278+00

PROJECT NO: 21-106
 ADDITIONAL INFO: MP ##
 SCALE: 1" = 500' DESIGNED BY: MSF
 DRAWN BY: MSF CHECKED BY: STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-09

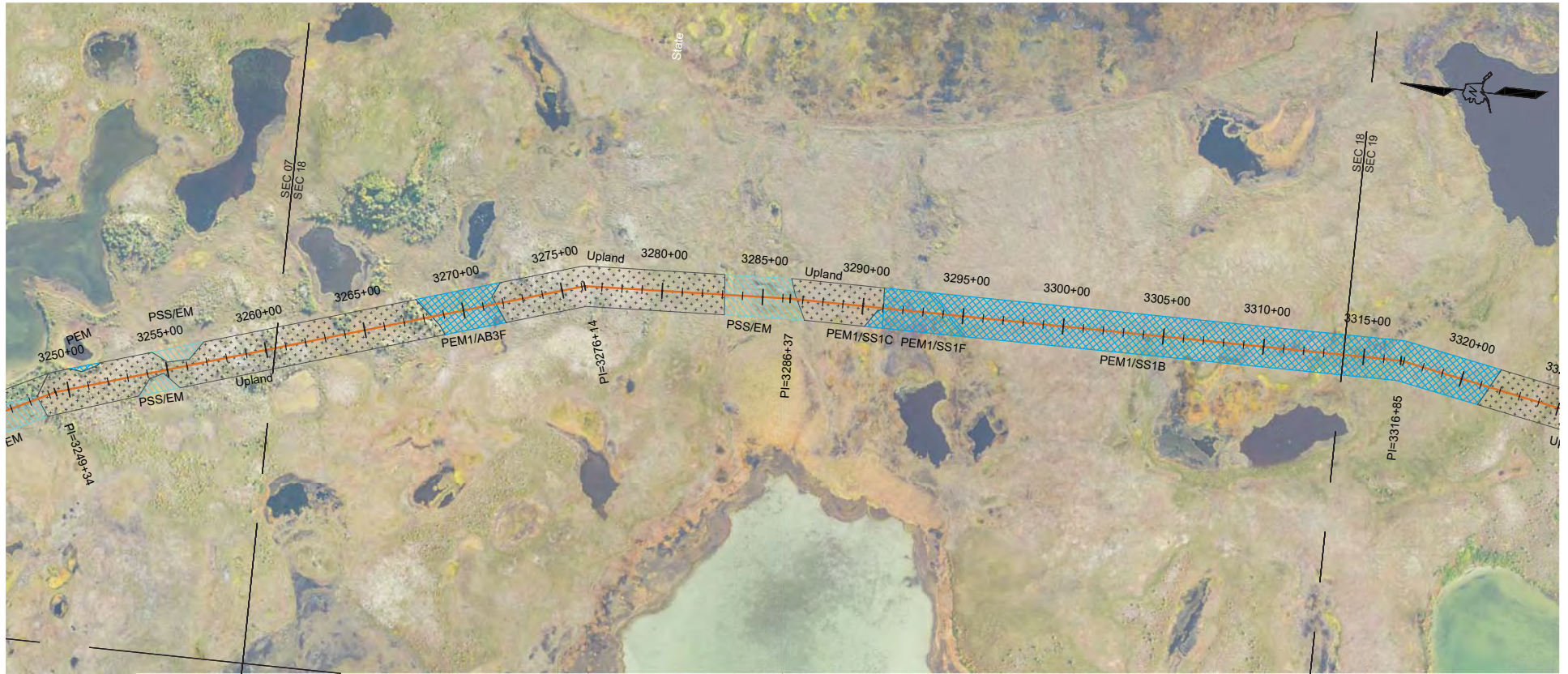
SHEET: 49 OF 62

STA 3176+00 MATCHLINE - SHEET (WL)EL-08

STA 3278+00MATCHLINE - SHEET (WL)EL-10

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (01).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 07, 18, 19, T11S, R47W, S.M.



STATE OF ALASKA										
CLEARING LIMITS	UPLAND	PEM1/AB3F	UPLAND	PSS/EM	UPLAND	PEM1/SS1F	PEM1/SS1B	UPLAND	UPLAND	UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 49 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3248+00 - STA 3320+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-10
 SHEET: 50 OF 62

STA 3248+00 MATCHLINE - SHEET (WL)EL-09

STA 3320+00 MATCHLINE - SHEET (WL)EL-11

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01 - CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (01).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 19, 30, T11S, R47W, S.M.



STA 3320+00 MATCHLINE - SHEET (WL)EL-10

STA 3392+00 MATCHLINE - SHEET (WL)EL-12

STATE OF ALASKA			
PEM1/SS1B	UPLAND	PEM1/SS1B	PEM1/SS1C

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 50 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3320+00 - STA 3392+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

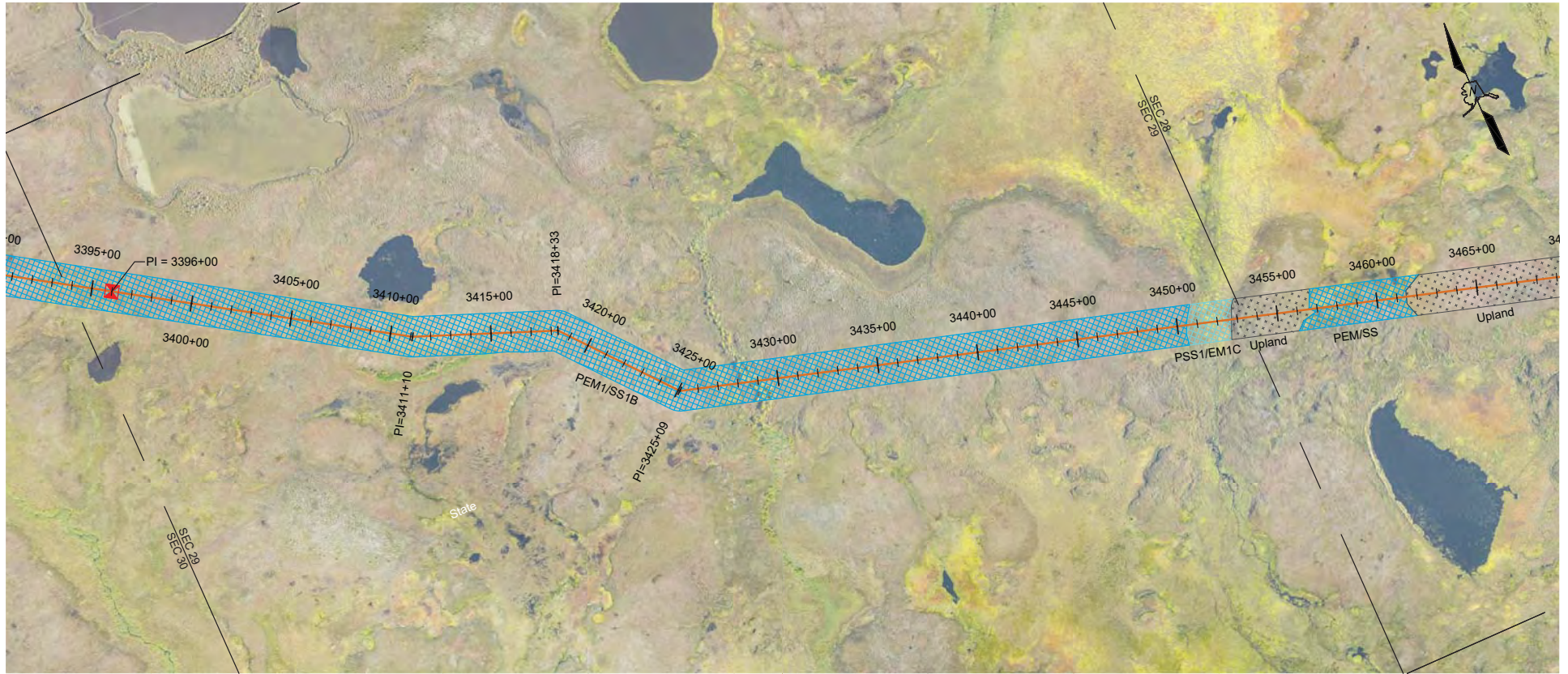
NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-11

SHEET: 51 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 30, 29, 28, T11S, R47W, S.M.



STA 3392+00 MATCHLINE - SHEET (WL)EL-11

STA 3464+00 MATCHLINE - SHEET (WL)EL-13

STATE OF ALASKA		CLEARING LIMITS		PSS1/EM1C		UPLAND		PEM/SS		UPLAND	
PEM1/SS1B											

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 51 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3392+00 - STA 3464+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-12

SHEET: 52 OF 62

SECTION 28, 33, T11S, R47W, S.M.



STA 3464+00 MATCHLINE - SHEET (WL)EL-12

STA 3536+00 MATCHLINE - SHEET (WL)EL-14

STATE OF ALASKA											
UPLAND	PEM/SS	CLEARING LIMITS		UPLAND	PEM1/SS1C	UPLAND	PEM1/SS1B	UPLAND	PEM1/SS1B	PEM1/SS1C	PEM1/SS1B

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 52 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3464+00 - STA 3536+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-13

SHEET: 53 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 33, T11S, R47W / SECTION 04, 03, T12S, R47W, S.M.



STA 3536+00 MATCHLINE - SHEET (WL)EL-13

STA 3608+00 MATCHLINE - SHEET (WL)EL-15

STATE OF ALASKA			
PEM1/SS1B	PEM1/SS1C	PEM1/SS1B	PEM1/SS1C
CLEARING LIMITS PEM1/SS1B			UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 53 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3536+00 - STA 3608+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

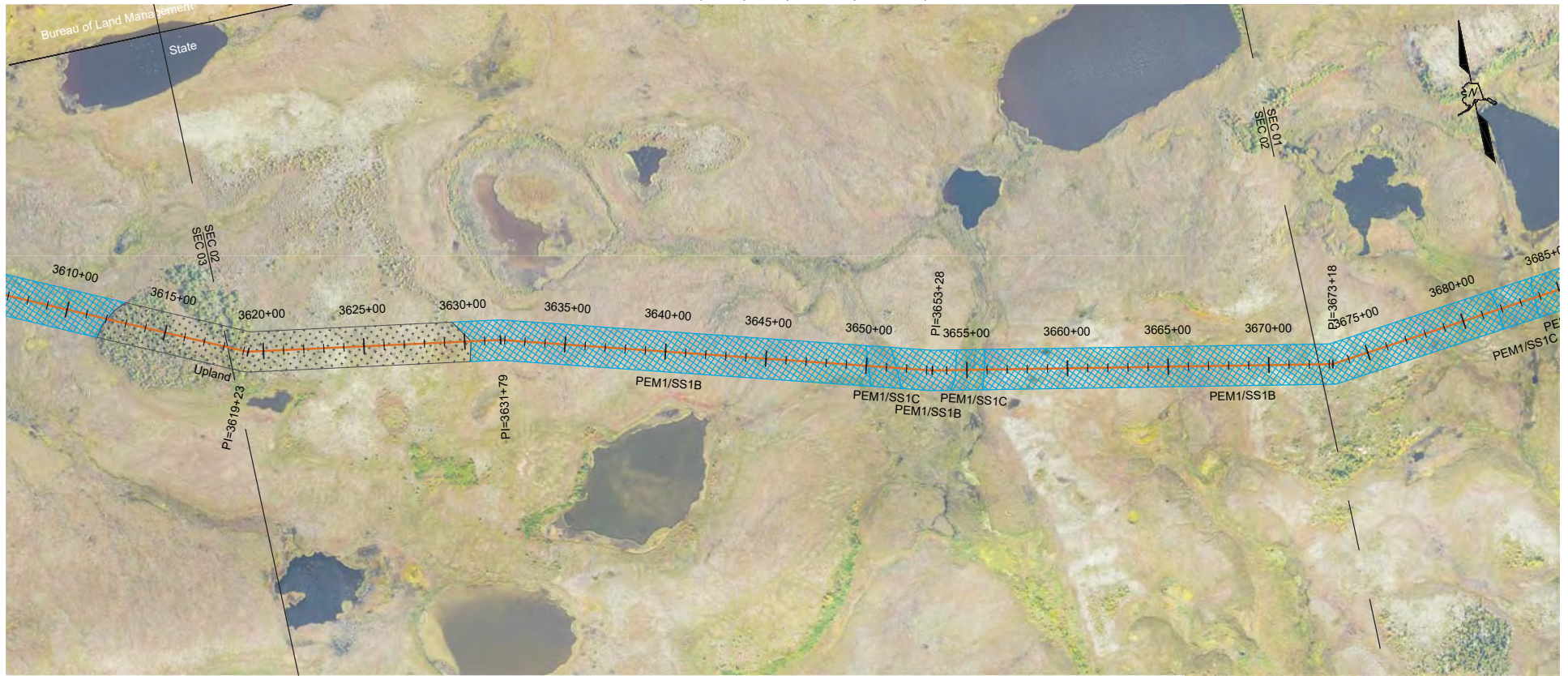
NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-14

SHEET: 54 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 03, 02, 01, T12S, R47W, S.M.



STA 3608+00 MATCHLINE - SHEET (WL)EL-14

STA 3680+00 MATCHLINE - SHEET (WL)EL-16

STATE OF ALASKA					
PEM1/SS1B	CLEARING LIMITS	PEM1/SS1B	PEM1/SS1C	PEM1/SS1B	PEM1/SS1C
	UPLAND				

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 54 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3608+00 - STA 3680+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

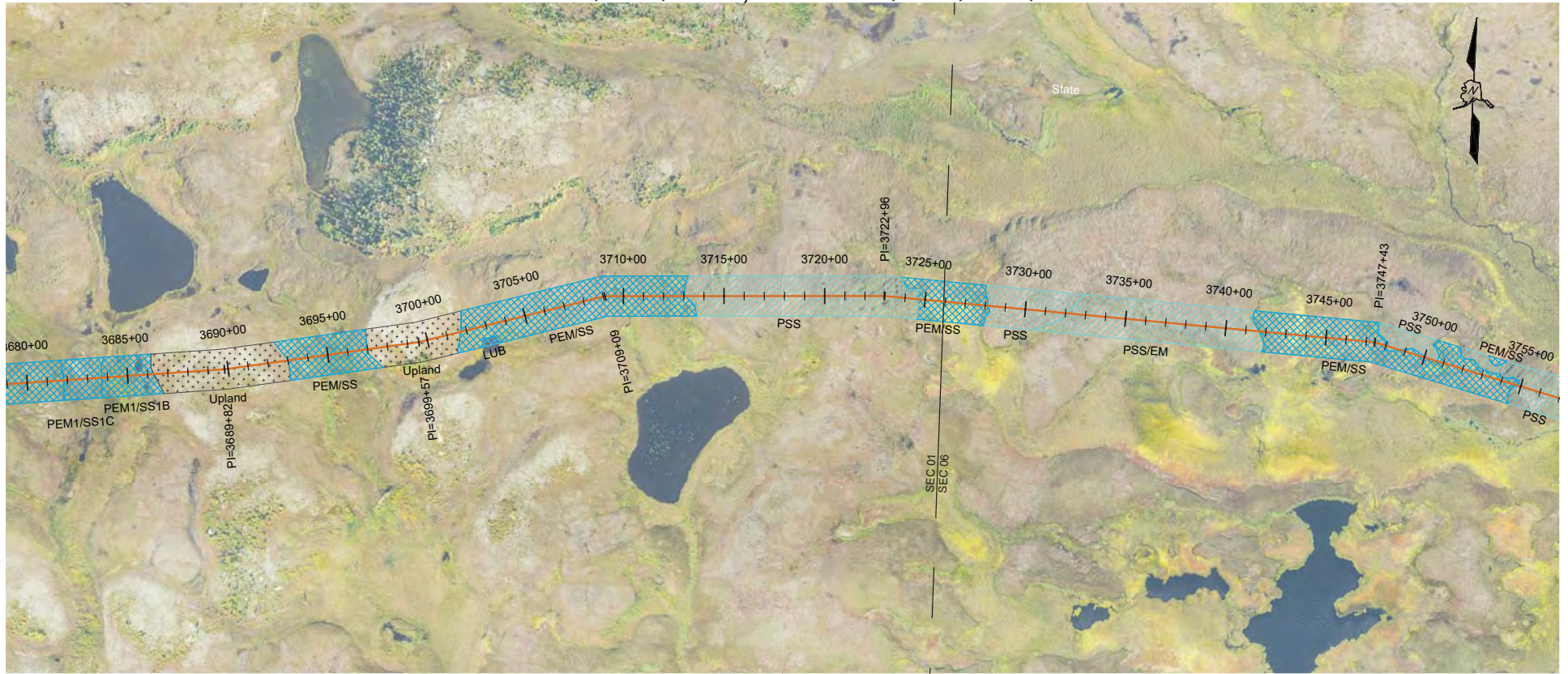
NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-15

SHEET: 55 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK\ERKOK-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 01, T12S, R47W / SECTION 06, T12S, R46W, S.M.



STA 3680+00 MATCHLINE - SHEET (WL)EL-15

STA 3752+00 MATCHLINE - SHEET (WL)EL-17
 FILE: F:\NUSHAGAK\21-106 LEVELOCK\ERKOK-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

STATE OF ALASKA
 CLEARING LIMITS

PEM1/SS1B	PEM1/SS1C	PEM1/SS1B	UPLAND	PEM/SS	UPLAND	PEM/SS	PSS	PEM/SS	PSS	PSS/EM	PEM/SS	PSS
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PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 55 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3680+00 - STA 3752+00

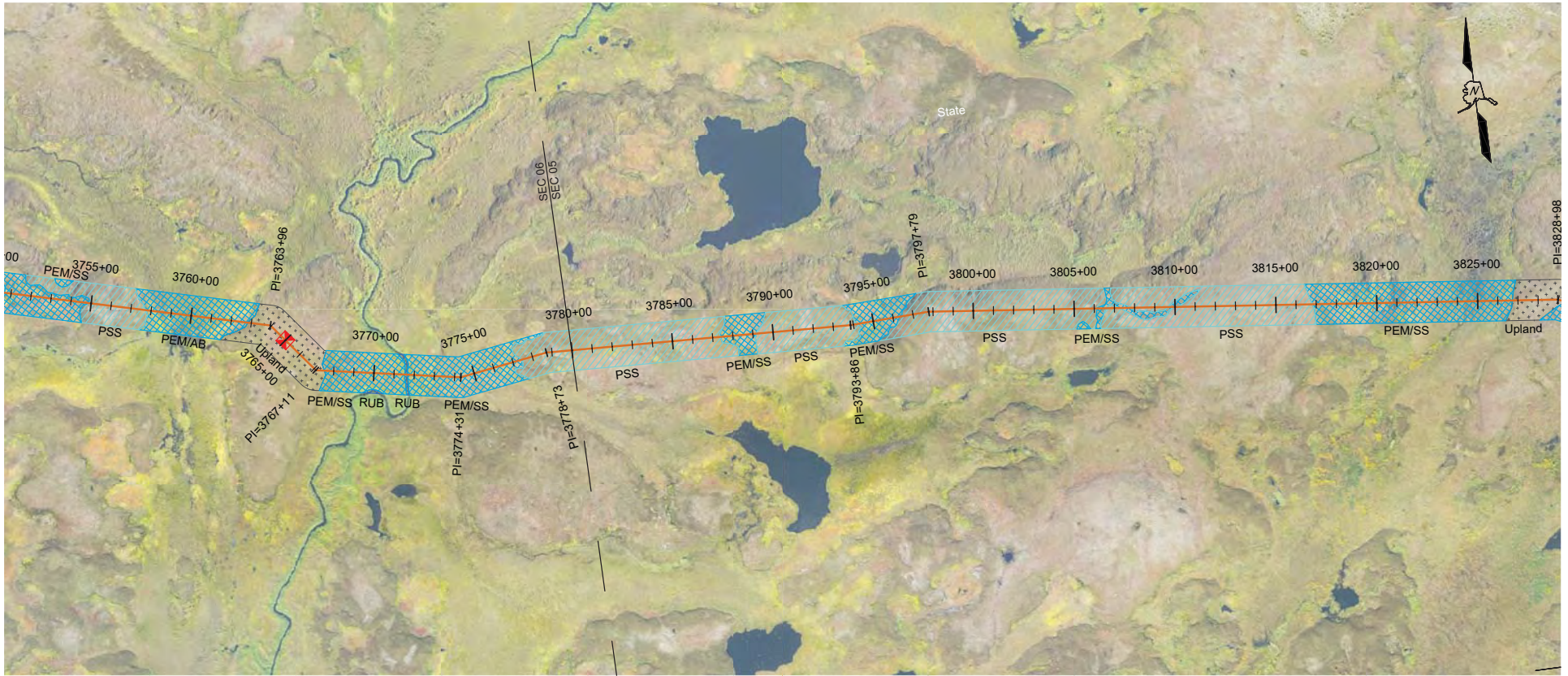
PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-16

SHEET: 56 OF 62

SECTION 06, 05, T12S, R46W, S.M.



STA 3752+00 MATCHLINE - SHEET (WL)EL-16

STA 3824+00MATCHLINE - SHEET (WL)EL-18

STATE OF ALASKA CLEARING LIMITS													
PEM/SS	PSS	PEM/AB	UPLAND	PEM/SS	PEM/SS	PSS	PEM/SS	PSS	PEM/SS	PSS	PEM/SS	PSS	PEM/SS

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 56 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3752+00 - STA 3824+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-17

SHEET: 57 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK-DILLINGHAM\01-CADD\WETLANDS\ERKWO-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 05, 04, 03, T12S, R46W, S.M.



STATE OF ALASKA									
CLEARING LIMITS									
PEM/SS	UPLAND	PEM/SS	PEM/SS	PEM/SS	PEM/SS	PEM/SS	PEM/SS	PEM/SS	UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 57 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3824+00 - STA 3896+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

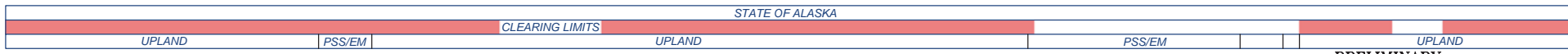
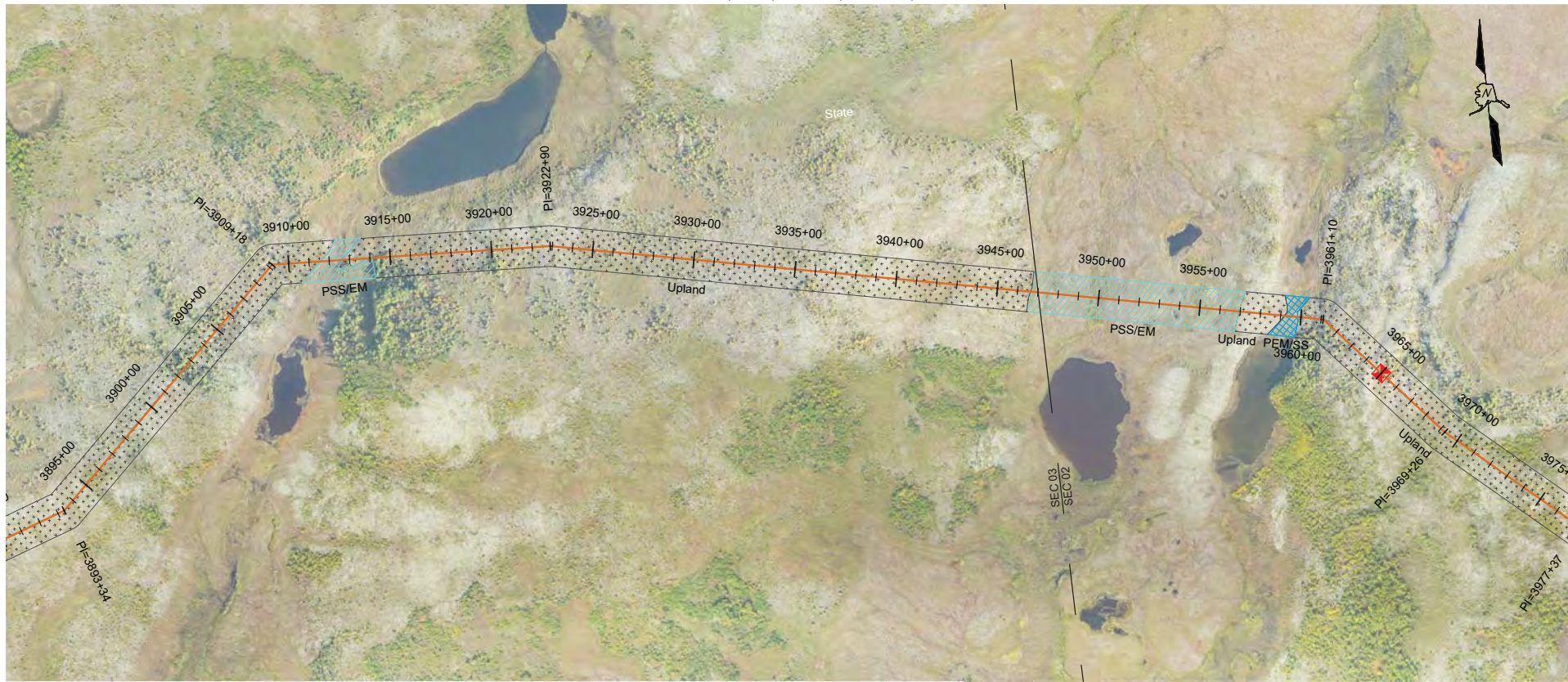
(WL)EL-18
 SHEET: 58 OF 62

STA 3824+00 MATCHLINE - SHEET (WL)EL-17

STA 3896+00 MATCHLINE - SHEET (WL)EL-19

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 03, 02, T12S, R46W, S.M.



PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 58 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 3896+00 - STA 3968+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-19

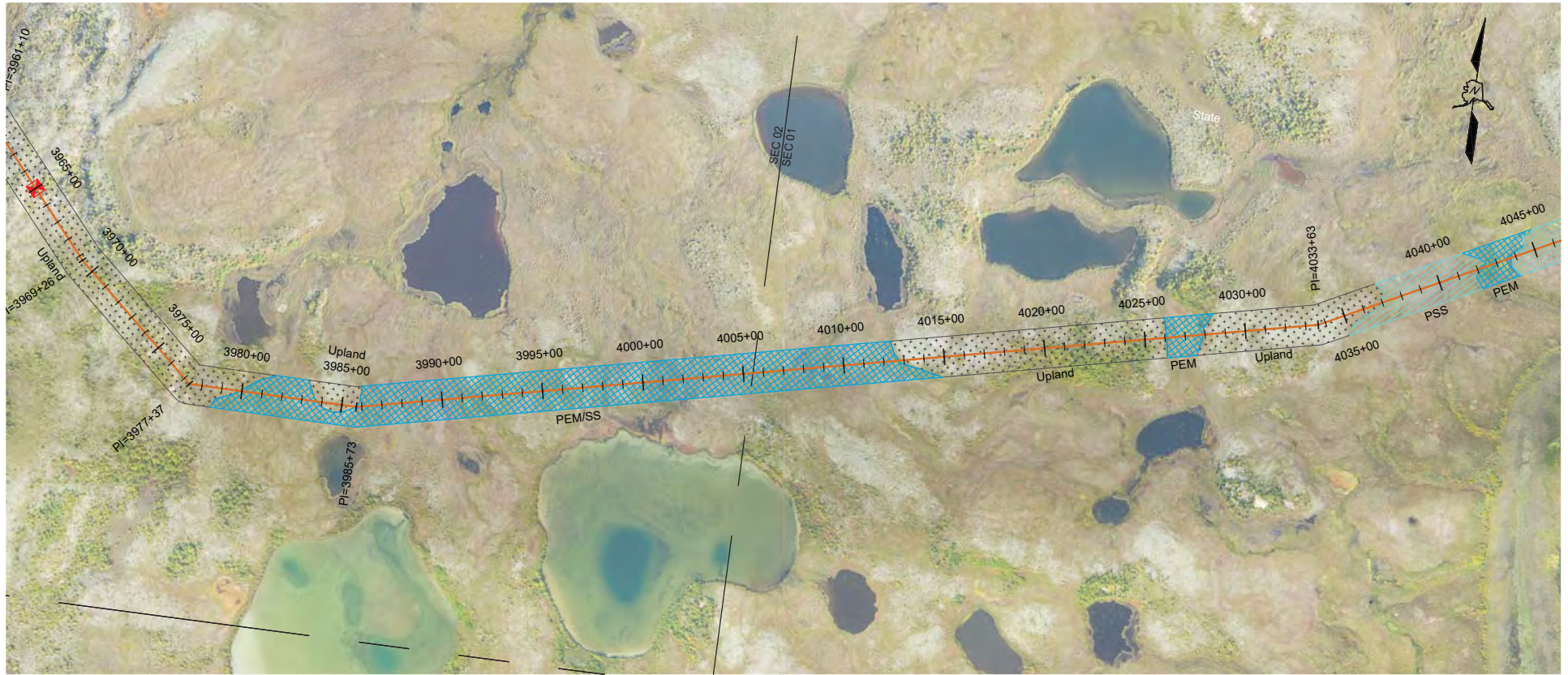
SHEET: 59 OF 62

STA 3896+00 MATCHLINE - SHEET (WL)EL-18

STA 3968+00MATCHLINE - SHEET (WL)EL-20

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01 - CADD\WETLANDS\ERKWK-LEVELOCK\500 SCALE EL - (02).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 02, 01, T12S, R46W, S.M.



UPLAND		PEM/SS		STATE OF ALASKA		UPLAND		PEM		UPLAND		PSS		PEM	
CLEARING LIMITS PEM/SS															

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 59 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 STA 3968+00 - STA 4040+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

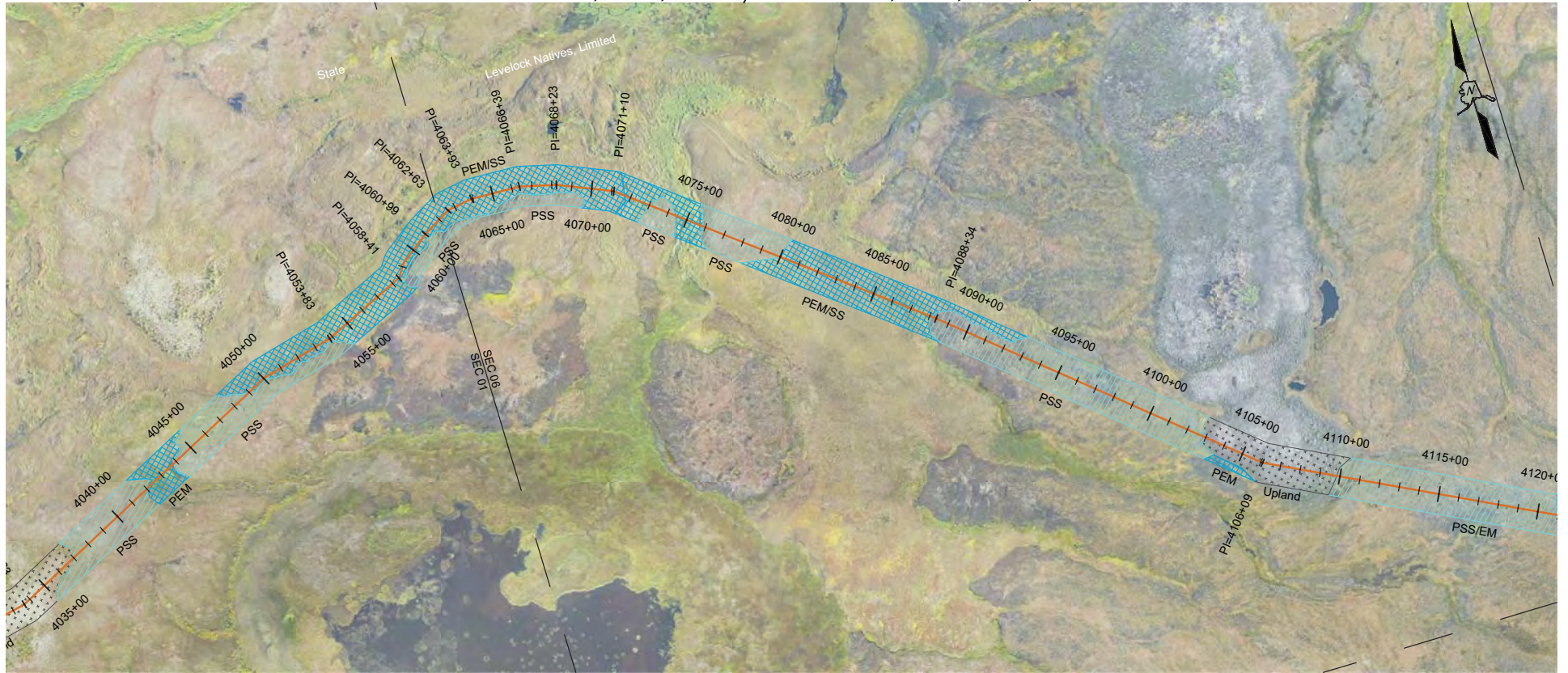
(WL)EL-20
 SHEET: 60 OF 62

STA 3968+00 MATCHLINE - SHEET (WL)EL-19

STA 4040+00 MATCHLINE - SHEET (WL)EL-21

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (02)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 01, T12S, R46W / SECTION 06, T12S, R45W, S.M.



STA 4040+00 MATCHLINE - SHEET (WL)EL-20

STA 4112+00 MATCHLINE - SHEET (WL)EL-22

STATE OF ALASKA				LEVELOCK NATIVES, LIMITED					
UPLAND	PSS	PEM	PSS	PEM/SS	CLEARING LIMITS PSS	PEM/SS	PSS	UPLAND	PSS/EM

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

Sheet 60 of 61 Date: 1/22/2022



MIDDLE MILE TRANSPORT FIBER
 ALEKNAGIK TO LEVELOCK
 STA 4040+00 - STA 4112+00

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-21

SHEET: 61 OF 62

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01-CADD\WETLANDS\ERKWK-LEVELOCK\500 SCALE EL - (03)DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

SECTION 06, 05, 08, 09 T12S, R45W, S.M.



STA 4112+00 MATCHLINE - SHEET (WL)EL-21

STA EOP MATCHLINE - SHEET (WL)EL-##

FILE: F:\NUSHAGAK\21-106 LEVELOCK DILLINGHAM 01 - CADD\WETLANDS\ERKOK-LEVELOCK\500 SCALE EL - (03).DWG I PLOT DATE: 11/15/2021 I PLOT SCALE: 1:1

LEVELOCK NATIVES, LIMITED				
CLEARING LIMITS				
PSS/EM	UPLAND	PSS/EM	PSS/EM	UPLAND

PRELIMINARY 10-26-2021

Applicant: Nushagak Cooperative
 File No.: POA-2022-00055
 Waterway: Wood River, Nushagak River
 Activity: FOC Installation
 Location: Aleknagik-Ekwok-Levelock, AK
 Lat/Long.: Multiple

 Sheet 61 of 61 Date: 1/22/2022

MIDDLE MILE TRANSPORT FIBER
ALEKNAGIK TO LEVELOCK
 STA 4112+00 - STA EOP

PROJECT NO:	21-106
ADDITIONAL INFO:	MP ##
SCALE:	1" = 500'
DESIGNED BY:	MSF
DRAWN BY:	MSF
CHECKED BY:	STW

NO.	REVISION DESCRIPTIONS	DATE

(WL)EL-22

SHEET: 62 OF 62