

CHUGACH ELECTRIC ASSOCIATION, INC.
Anchorage Alaska
August 29, 2025

TO: Elijah Cook, Designer III
Darvin Thornton, Manager, Distribution Construction

FROM: Lorraine Lehman, ROW Agent II PMT2548

SUBJECT: Runway 7R CEA Supportive Expansion
TSAIA – W Perimeter Road
W.O. E2214138, RW-E2214138, GD 1920
Map Books 1304-32A, 1304-32C and 1204-0A6

Attached is the permit needed for the construction of the above work order.
1-810001-25-097

SOA DOT&PF Permit 25-097

Activity to start on or after June 2, 2026
Prior to constructing: Read and Comply with Special
Conditions Pages of Permit

A copy of this permit must be on the job site at all times during construction.

After construction is completed, fill in the following information and return to Land Services.

- 1) Date of construction: _____
- 2) Contractor: _____
- 3) Crew Foreman: _____
- 4) If pavement cut: _____
 - a) Date pavement patched: _____
 - b) Pavement patch contractor: _____
- 5) Comments: _____

.....
For Land Services Use Only

Date returned: _____
Comments: _____

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

UTILITY PERMIT
(Major)

Anchorage International Airport
W.O. No.: E2214138

Approval
Recommended:

Signed by:

AD5EBCDA9594427

8/25/2025

Date: _____

Title: Regional Permit Officer

Region: Central

THE STATE OF ALASKA, acting by and through the DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, hereinafter called the DEPARTMENT, grants a Utility Permit to **CEA - Chugach Electric Association, Inc** hereinafter called the PERMITTEE, to construct, install and thereafter perform routine maintenance, use and operate a(n) **Buried 12.47 kV Electrical Line** hereinafter called the FACILITY, located as follows: **along West Perimeter Road**

Grid No.: 32 and 33

across, along or under property of the DEPARTMENT, acquired and utilized in the operation and maintenance of a State Transportation System, at the aforementioned locations and/or positions, and in strict conformance with plans, specification and special provisions attached hereto and made a part hereof, and not otherwise.

A. In accepting this Utility Permit for the FACILITY, the PERMITTEE agrees to comply with the provisions of AS 02.15.102, AS 02.15.106, AS 19.25.010, AS 19.25.200, AS 35.10.210, and AS 35.10.230; the terms, requirements and regulations as set forth in 17 AAC 15 as authorized under Administrative Procedures Act, AS 44.62.010 -- 44.62.650 and the applicable policies, directives and orders issued by the Commissioner of the DEPARTMENT.

B. The entire cost of routine maintenance operations of the FACILITY are to be paid for by the PERMITTEE, and said FACILITY shall comply with all applicable codes.

C. The PERMITTEE's construction, installation and maintenance operations of the FACILITY shall be accomplished with minimum interference and interruption of the use, operation and maintenance of the State-Owned right-of-way and/or public facility; or as hereinafter provided in the DEPARTMENT's Special Provisions, attached hereto and made a part hereof, and shall at all times in no way endanger the general public in its use of the public property. Day-to-day operational control of work activities authorized by this PERMIT are the responsibility of the PERMITTEE subject to the terms of the PERMIT.

D. The DEPARTMENT, in granting this Utility Permit, reserves the right to use, occupy and enjoy its property for a public transportation system and for public transportation purposes in such a manner and at such times as it deems necessary, the same as if this instrument had not been executed by the DEPARTMENT. If any such use by the DEPARTMENT shall at any time necessitate any change in location of said FACILITY, or any part thereof, such change or alteration shall be made by the PERMITTEE according to the terms of one of the two clauses set out below as identified by a check mark before the applicable clause.

- _____ (1) The PERMITTEE will be reimbursed in full by the DEPARTMENT for all costs incurred in making such changes or alterations to the FACILITY that qualify under the provisions of AS 02.15.104(c), AS 19.25.020(c), or AS 35.10.220(c).
- X (2) The PERMITTEE shall promptly remove or relocate said FACILITY at no cost to the DEPARTMENT in accordance with the provisions of AS 02.15.104(c)(4) or (5), AS 19.25.020(c)(4) or (5), or AS 35.10.220(c)(4) or (5).

E. On public property being utilized for right-of-way on highways originally established as, or converted to, controlled access highways, ingress and egress thereto for maintenance and operation of the FACILITY is limited to the locations as designated by the DEPARTMENT. However, the DEPARTMENT may allow the PERMITTEE ingress and egress whenever such is necessary to effect repairs and maintenance of the FACILITY and when no other access is available. If the DEPARTMENT determines such access is in conflict with the use of the controlled access highway, the FACILITY will be relocated.

F. The State of Alaska and the DEPARTMENT for the purpose of this Utility Permit, hereby disclaim any representation or implication to the PERMITTEE that the DEPARTMENT has any title in any property other than the interest conveyed to the DEPARTMENT for specific purposes as described by the instrument conveying the land to the DEPARTMENT.

G. The PERMITTEE by these presents accepts notice and agrees that any expenses or damages incurred by the PERMITTEE through the abandonment, removal, reconstruction or alteration of any public facility, or incurred by said PERMITTEE as a result of this disclaimer shall be borne by said PERMITTEE at no expense whatsoever to the DEPARTMENT or the State of Alaska.

H. The waiver or breach of any of the terms or conditions of this Utility Permit or provisions of the Administrative Code, by the DEPARTMENT shall be limited to the act or acts constituting such breach, and shall never be construed as being continuing or a permanent waiver of any such term or condition, unless expressly agreed to in writing by the parties hereto, all of which shall remain in full force and affect as to future acts or happenings, notwithstanding any such individual waiver or any breach thereof.

I. Only the Commissioner of the DEPARTMENT or his delegate shall have the authority to waive any term or condition herein contained.

J. The PERMITTEE shall not assign or transfer any of the rights authorized by this Utility Permit except upon notification to and approval by the DEPARTMENT.

K. The PERMITTEE agrees to comply with all regulations concerning present and future use of the public property acquired, or reimbursed by Federal-aid funds.

L. The PERMITTEE shall give the DEPARTMENT not less than ten (10) days prior written notice, unless otherwise agreed to by the parties hereto, of the PERMITTEE's intention to enter upon the DEPARTMENT's property for the purpose of major maintenance, reconstruction, altering or removal of the FACILITY, provided, however, that normal routine maintenance is expected from this provision, and provided further, that in any instance of sudden emergency requiring prompt and immediate action to protect the public safety, or to mitigate damage to private or public property, no prior notification to the DEPARTMENT will be required. The PERMITTEE shall notify the DEPARTMENT and Alaska State Troopers, of the location of the emergency and extent of work required by the most expeditious means of communication as soon as reasonably possible to do so, and the PERMITTEE shall take such measures as are required to protect the health and safety of the traveling public or public facility users for the duration of such emergency operations.

M. To the maximum extent allowed by law, the PERMITTEE shall indemnify, defend, and hold harmless the State of Alaska, the DEPARTMENT, and its officers, employees, and contractors, from any and all claims or actions resulting from injury, death, loss, or damage sustained by any person or personal property resulting direction or indirectly from PERMITTEE's use of or activities in the permitted area. (17 AAC 15.061)

N. The PERMITTEE is subject to all previous easements and Utility Permits and any damage to any other utility will be the PERMITTEE's responsibility.

O. The PERMITTEE agrees to be responsible for the compliance with all applicable Federal, State, and local laws, regulations, codes and ordinances.

P. The PERMITTEE agrees to be responsible for obtaining all other appropriate permits or letters of non-objection needed from Federal, State and local agencies, or conflicting lessees, property owners, or utilities.

Q. The PERMITTEE may be required, within thirty (30) days after completion of any improvement placed upon or in the premises herein, deliver to the DEPARTMENT as-built drawings showing the location and construction specifications of said improvement.

R. This Utility Permit is issued under the provisions of applicable Alaska Statutes and Administrative Code effective as of the date of execution of this instrument by the DEPARTMENT.

S. The PERMITTEE agrees that the FACILITY will be constructed in accordance with the following attached documents. The PERMITTEE affirms that it is solely responsible for the content of the attached documents. Issuance Approval of this Permit does not imply the DEPARTMENT's approval of the attached documents. In the event of any conflict between the attached documents and the Permit, the Permit language shall control.

1. Plans dated 6/16/2025, consisting of 12 page(s);
2. Specifications dated _____, consisting of _____ page(s); and
3. _____,

which, by this reference, are made a part hereof, and in accordance with the applicable codes pertaining to the FACILITY, and not otherwise, unless prior written authorization is obtained from the DEPARTMENT to do so.

T. The PERMITTEE agrees to reimburse the DEPARTMENT for actual costs of inspection and testing as required during the performance of the work proposed by the PERMITTEE. The scope of inspection and testing shall be determined by the Regional Utilities Engineer. The costs billed to the PERMITTEE will be the actual DEPARTMENT's costs incurred while performing the inspection and testing.

U. The PERMITTEE agrees by entering on the DEPARTMENT's property to indemnify the DEPARTMENT and its contractors of all costs tangible or intangible that would be the result of any delay in a construction project of the DEPARTMENT caused by work done under this permit.

V. The PERMITTEE agrees to reimburse the DEPARTMENT for the length of the FACILITY to be installed in excess of 200 feet (as indicated on the attached plans referred to in paragraph "S" above) which is calculated to be **2,890** linear feet at \$1.00 per foot = **\$2,890.00**, (but not to exceed \$10,000.00) payable at the time the permit is executed by the DEPARTMENT, unless arrangements have been made for the PERMITTEE to be billed on a monthly basis.

ELECTRICAL AND COMMUNICATIONS FACILITIES**OVERHEAD FACILITY**

Number of Circuits:

Voltage and Phase:

Conductor Type and Size:

Structure Type:

Crossing Angle: Length:

Vertical Clearance (Min. 20ft):

Longitudinal Facility Length:

Facility Offset from:

Highway Right-of-Way:

Highway Centerline:

Edge of Pavement:

UNDERGROUND FACILITYNumber of Conductors (Cables): **1**Voltage and Phase: **12.47kV 3-Phase**Conductor (Cable Type and Size): **750 MCM Conc.**Number & Size of Conduits: **(2) 6 in HDPE**

Size and Type of Encasement:

Crossing Angle: **90°** Length: **283 ft**Depth Below Road Surface (Min. 48"): **48 in**Depth of Ditch Prism Placement (Min. 48"): **48 in**Depth 10 feet Outside Slope Limits (Min. 36"): **48 in**Method(s) of Crossing Installation: **Boring**Longitudinal Facility Length: **2807 ft**

Facility Offset from:

Highway Right-of-Way:

Highway Centerline:

Edge of Pavement:

Method(s) of Longitudinal Installation: **Trenching, Boring****Construction Code(s) Applicable: DOT&PF Standard Specifications for Highway Construction (2020 Edition)****ADDITIONAL INFORMATION:**

SPECIAL PROVISIONS

THE PERMITTEE PROMISES TO COMPLY WITH THESE SPECIAL PROVISIONS BY SIGNATURE ON THE PERMIT. IT IS THE PERMITTEE'S RESPONSIBILITY TO FAMILIARIZE ITS' EMPLOYEES, AGENTS, AND/OR CONTRACTORS WITH THESE PROVISIONS, AND INSIST ON STRICT COMPLIANCE.

1.0 GENERAL AND ADMINISTRATION

- 1.1 The PERMITTEE shall have a copy of this Utility Permit at the work site at all times.
- 1.2 The Utility Permit, together with these Special Provisions, shall take precedence over any additional plans exhibits, attachments, and/or schedules should discrepancies appear.
- 1.3 All contact between the DEPARTMENT and the PERMITTEE's Contractor shall be through a representative of the PERMITTEE. If the PERMITTEE chooses to perform the work with other than its own forces, a representative of the utility shall be present at all times unless otherwise agreed to by the DEPARTMENT. Failure to comply with this provision is grounds for restricting any further work by the PERMITTEE in the DEPARTMENT's right-of-way.
- 1.4 Any rights granted by this Utility Permit may not be assigned or transferred to another entity without prior written approval from the DEPARTMENT. If the utility is sold to another utility or merges with another utility, the new utility shall inform the DEPARTMENT in writing within thirty (30) days after the date of transaction.
- 1.5 Any request for waiver or exception of these Special Provision(s), or any request for change in location, alignment, or construction method, shall be submitted in writing to the Regional Utilities Engineer.
- 1.6 This Utility Permit will expire if construction or installation of the FACILITY has not started within one (1) year of the date of approval, unless the PERMITTEE obtains an extension of time in writing from the DEPARTMENT.
- 1.7 The PERMITTEE agrees to furnish the DEPARTMENT with a set of as-built plans within ninety (90) days of completion of the work covered under this Permit.
- 1.8 The PERMITTEE agrees to provide design locates, at no cost to the DEPARTMENT, upon request. If a utility locate service is not available, reference markers shall be installed and maintained at both ends of underground highway crossings, and at angle points in the alignment of the underground portion of the FACILITY. Where utilities are attached to a bridge, the PERMITTEE will attach a plate on the conduit at each abutment describing the content of the pipe or conductor, and the name and phone number of the owning utility.
- 1.9 The Regional Utilities Engineer may assign an inspector or inspectors in order to ensure compliance with the provisions of this Utility Permit. The inspector has the authority to suspend all work in the event of noncompliance.

- 1.10 To the maximum extent allowed by law, the PERMITTEE, on behalf of itself and its contractors, officers, officials, employees, and agents, shall indemnify, defend, and hold harmless, at its sole cost and expense, the State of Alaska, DEPARTMENT, and its contractors, officers, employees, and agents from any and all fines, costs, claims, damages, liquidated damages, judgments, or civil penalties assessed by the Department of Environmental Conservation pursuant to AS 46.03.760(E), arising wholly or in part from any action taken by the PERMITTEE in relation to the PERMITTEE's FACILITIES on State-owned right-of-way or other permitted locations. This indemnification provision is in addition to and shall be construed as consistent with General Provision M.

2.0 COORDINATION

- 2.1 The PERMITTEE shall notify the DEPARTMENT's Regional Utility Permit Officer ten (10) days prior to beginning work on the FACILITY:

Central Region
(907) 269-0644
(907) 269-0654 (fax)
cr.utilitypermits@alaska.gov

- 2.2 All work covered under this Utility Permit must be performed between **April 15th and October 1st**. At the end of each construction season all areas disturbed by the work covered under this Utility Permit must be cleaned, graded, and stabilized, and all surfaces, traffic markings, signage, and drainage for non-detoured roadways/pathways must be temporarily (if work extends across multiple construction seasons) or permanently restored to a condition that allows traffic to flow in conformance with the normal traffic pattern. All work covered by this Utility Permit must be completed no later than **10/1/2026**.
- 2.3 The PERMITTEE agrees to replace, in-kind, any and all asphalt/concrete disturbed by work allowed under this Utility Permit and shall schedule work to coincide with the availability of the aforementioned materials.
- 2.4 The PERMITTEE shall coordinate all work on the FACILITY with the DEPARTMENT's District Maintenance Superintendent, **Kayce Eliason**, phone number **(907) 338-1466**.
- 2.5 The PERMITTEE shall coordinate all work on the FACILITY with the DEPARTMENT's Ted Stevens Anchorage International Airport Chief Engineer, phone number (907) 266-2738.
- 2.6 The PERMITTEE agrees to coordinate work on the FACILITY with other projects, both public and private, that may occur within the project limits covered by this Utility Permit. The PERMITTEE agrees not to interfere or hinder the work being performed by other contractors.

3.0 ENVIRONMENTAL

- 3.1 If the PERMITTEE, its Contractor, or Agent discovers environmental contamination in the right-of-way while constructing the FACILITY, they shall immediately stop work and notify the DEPARTMENT's Regional Utility Engineer.
- 3.2 If the PERMITTEE, its Contractor, or Agent discovers environmental contamination in the right-of-way while constructing the FACILITY, they shall immediately stop work and notify the Anchorage International Airport's Environmental Section, at (907) 266-2129.

- 3.3 The PERMITTEE is not responsible for the cost of investigation, cleanup, or disposal of any contaminated soils it discovers during work on the FACILITY within the DEPARTMENT's right-of-way, **unless**:
- A. The PERMITTEE, its Contractor, or Agent fails to immediately notify the DEPARTMENT of the contamination, or;
 - B. The contamination is attributed to the PERMITTEE's FACILITY, or actions of the PERMITTEE, its Contractors, or Agents.
- 3.4 If the PERMITTEE, its Contractor, or Agent discovers a cultural, historic, or archeological resource while constructing the FACILITY, they shall stop work immediately and contact the State Historic Preservation Office at (907) 269-8721.
- 3.5 The PERMITTEE shall not hold the DEPARTMENT responsible for any delay, redesign, rerouting, or additional cost due to encountering environmental contamination, or cultural, historic, or archeological resources.

4.0 NOTIFICATIONS

- 4.1 The PERMITTEE is responsible for notifying businesses and residents that front the project of scheduled road and driveway closures, or any work that may affect them. Property owners shall receive the notices a minimum of one (1) week prior to commencement of the work. Notices shall include a contact name and number of a representative of the PERMITTEE.

5.0 TRAFFIC CONTROL

- 5.1 Apply for a Lane Closure Permit (LCP) through the DEPARTMENT a minimum of thirty (30) calendar days prior to the commencement of any construction and/or maintenance work. Include a Traffic Control Plan detailing the traffic control devices and their placement in the required application.

To submit an on-line application:

www.dot.state.ak.us/permits/index.shtml

To submit an application in person contact:

Central Region
(Anchorage Area)
(907) 269-0700
1-800-770-5263
(907) 248-9456 (fax)

- 5.2 Obtain a Lane Closure Permit (LCP) from the DEPARTMENT for all work within the right-of-way. Include a Traffic Control Plan, detailing the type and location of any traffic control devices required, with the LCP application for work within **thirty (30) feet** of the traveled way.
- 5.3 Any/all costs associated with traffic control, including but not limited to, permit fees, traffic control plan designs, traffic control devices, flagging operations, detours, and/or pilot car operations are the PERMITTEE's responsibility.

- 5.4 Provide traffic control devices conforming to the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) published by the U.S. Department of Transportation and Alaska Traffic Manual Supplement while constructing the FACILITY, or thereafter performing routine maintenance.
 - 5.5 Setup all traffic control devices required by the issued Lane Closure Permit, including signs, barricades, and flaggers, prior to the commencing work within the right-of-way.
 - 5.6 Remove or cover all temporary traffic control devices as soon as practical when they are no longer needed, or when work on the FACILITY is suspended for short periods of time.
 - 5.7 The PERMITTEE's construction and/or maintenance activities on the FACILITY are not permitted to affect the normal vehicular or pedestrian traffic, or other normal use patterns, without an approved Lane Closure Permit.
 - 5.8 Do not park or store vehicles, equipment, and/or materials on roadway or pathway surfaces at any time, unless specifically allowed by Lane Closure Permit.
 - 5.9 Do not park or store vehicles, equipment, and/or materials within **thirty (30) feet** of the travel way when not in use, or when work on the FACILITY is not in progress.
 - 5.10 Setup and maintain proper detours for all affected pathways. The PERMITTEE is responsible for all liability caused by the Detours.
 - 5.11 Provide adequate signing, barricades, and traffic control devices for affected pathways for the duration of construction.
 - 5.12 Designate a Traffic Safety Supervisor to be responsible for the maintenance of traffic operations on a 24-hour basis. The selected individual must have received formal work zone traffic control training or have had three years previous experience in supervising maintenance and protection of traffic through road construction work zones. Supply the name and a written verification of the individual's credentials as well as a 24-hour telephone number where they can be reached.
 - 5.13 Provide and maintain safe routes for pedestrians and bicyclists through/around traffic control zones at all times.
 - 5.14 Construction equipment and vehicles must come to a complete stop at all points of intersection with the traveling public unless an approved Traffic Control Plan shows otherwise.
 - 5.15 All illumination and signalization must remain operational throughout construction of the FACILITY.
- 6.0 EXCAVATION AND BACKFILL**
- 6.1 The PERMITTEE shall backfill and compact all trenches within road prisms, taxiways, runways, apron areas, and pathways in 6-inch lifts or as accepted by the DEPARTMENT's inspector. 6-inch lifts are required if no inspector is present. The backfill shall be of suitable non-frost susceptible, non-organic material (0-6% passing No. 200 sieve). All excavated non-acceptable material shall be removed from the State-owned right-of-way and/or property by the PERMITTEE.

- 6.2 The road prism is defined to include the finished roadway surface and underlying structural layers out to, and including, any unpaved shoulders, curbs, and attached pathways.

The PERMITTEE shall backfill the vertical extent of the roadway prism with structural backfill to a limit defined by extending a one and one-half horizontal to one vertical (1-1/2:1) slope from the roadway prism limit (shoulder of the road or back of path as applicable) down to where the slope intercepts the bottom of the excavation. Backfill the remaining trench outside the prism with materials meeting the requirements of selected material, Type C, as defined by the latest edition of the Standard Specifications for Highway Construction.

- 6.3 The PERMITTEE shall compact all trenches within or crossing road prisms and pathways at a minimum of 95% of the optimum density. All compaction tests shall be at the PERMITTEE's expense. The DEPARTMENT's inspector shall determine the testing frequency. A copy of each test will be submitted to the DEPARTMENT.

- 6.4 The PERMITTEE shall backfill all trenches, bore pits, and other excavations located outside road and pathway prisms with clean, non-organic, and compactable material meeting the requirements of Select Material, Type C, as defined in the DEPARTMENT's Standard Specifications for Highway Construction. Existing material is acceptable as backfill provided it meets the requirements of Select Material, Type C.

The PERMITTEE shall remove material not suitable for use as backfill from the site, as determined by the DEPARTMENT. The PERMITTEE shall replace unsuitable backfill material with imported material meeting the requirements of Select Material, Type C.

All backfill shall be compacted to existing undisturbed soil densities or better, and graded to blend with the existing ground surface. All costs associated with the removal of unusable material and placement of import material is the responsibility of the PERMITTEE.

- 6.5 The PERMITTEE shall place the underground FACILITY a minimum of 48-inches below the surface when in the State's road prism.
- 6.6 The PERMITTEE shall place the underground FACILITY a minimum of 48-inches below the bottom of the ditch, when in the ditch prism.
- 6.7 The PERMITTEE shall place the FACILITY a minimum of 36-inches below original ground when 10 feet outside the slope limits.
- 6.8 The PERMITTEE shall provide lateral trench and bore pit support as necessary.
- 6.9 The PERMITTEE shall place buried caution tape one foot directly above the FACILITY being installed when trenching or plowing.

7.0 BORING AND JACKING

- 7.1 The PERMITTEE shall bore or jack the road crossing.
- 7.2 The PERMITTEE shall, in the event of a failed bore path, immediately fill all voids by injecting an excavatable, flowable fill (sand slurry).
- 7.3 The PERMITTEE shall not attempt recovery of any drill head, auger, or drill stems that require excavating into paved road or pathway surfaces, without prior approval from the DEPARTMENT.

8.0 PAVEMENT REPLACEMENT AND TRAFFIC MARKINGS

8.1 Pavement shall not be affected by the work covered under this Utility Permit.

9.0 DRAINAGE

9.1 The PERMITTEE shall be responsible for assuring that all water entering the DEPARTMENT's storm drain facility meets the minimum criteria for water quality standards as set forth in the Alaska Administrative Code (18 AAC 70.010-70.110).

9.2 The PERMITTEE shall maintain existing drainage patterns during construction of the FACILITY and restoration of the right-of-way unless otherwise agreed to by the DEPARTMENT.

9.3 The PERMITTEE shall notify the DEPARTMENT of drainage problems caused by the work under this Utility Permit and will remedy the problem as directed by the DEPARTMENT.

9.4 The PERMITTEE shall replace all culverts damaged by work under this Utility Permit with a C.M.P. of the same size, or 18-inch, whichever is greater. Culverts that are found undersized or damaged shall be cleaned of debris or replaced at the PERMITTEE's expense.

10.0 RIGHT-OF-WAY PROTECTION, MAINTENANCE, AND RESTORATION

10.1 The PERMITTEE shall cleanup within one (1) day behind installation of the FACILITY. The PERMITTEE will not be allowed to trench or plow more than can be cleaned up the following day.

10.2 The PERMITTEE or its contractor shall immediately repair any damage of existing utilities, storm drainage or other highway structures caused as a result of construction authorized by this Utility Permit.

10.3 Heavy tracked equipment operation will not be permitted on a paved roadway or shoulder, unless approved in writing by the Regional Utilities Engineer. If approved, planking or rubber tires shall be utilized between the vehicle tracks and the pavement. The PERMITTEE shall repair damage to the pavement as a result of equipment operation as directed by the DEPARTMENT.

10.4 The PERMITTEE or its contractor will be responsible for winter and spring maintenance of the road shoulders, ditch lines, backslopes, road surfaces, taxiways, and runways that have not been left in a neat and clean condition, satisfactory to the DEPARTMENT's Maintenance & Operations Section.

10.5 The PERMITTEE shall dispose of trees, brush or other natural growth by mechanical chipping (6" x 4" x 1" maximum resultant size) or hauling away. Stumps and grubbing piles shall be loaded and hauled to a disposal site outside the DEPARTMENT's right-of-way. Trees left for the public shall be limbed and stacked in a location where loading does not interfere with the safe operation of the travel way.

10.6 Any Survey monument or monument accessory that will be disturbed or destroyed during construction of the FACILITY shall be referenced prior to beginning work, and restored or replaced by a Registered Land Surveyor licensed in accordance with AS 34.65.040. All monument records shall be reviewed by the DEPARTMENT prior to filing with the District Recorder.

10.7 Highway signs that are in conflict with construction shall be relocated on a temporary basis and reinstalled at the original location as soon as possible. Signs that are damaged during construction shall be replaced in kind to the DEPARTMENT's standards, and at no cost to the DEPARTMENT.

- 10.8 The PERMITTEE shall replace all driveway/street/sidewalk/pathway intersections in kind.
- 10.9 The PERMITTEE shall replace all sidewalks, curbs, and gutters to an existing undisturbed joint.
- 10.10 The PERMITTEE shall provide street sweeping to keep free of loose material all paved portions of the roadway and haul routes open to the public, including sections of roadway off the project where your operations have deposited loose material. Use a street sweeper that can collect materials rather than eject them on the shoulder of the road.
- 10.11 Upon completion of the work within the State-owned right-of-way and/or property, the PERMITTEE shall remove all equipment, dispose of all waste material and shall leave the premises in a neat and clean condition satisfactory to the DEPARTMENT.
- 10.12 The PERMITTEE shall obtain locates for any existing traffic signals, traffic interconnect cables, street light facilities, or FAA cables prior to construction. Damages shall be repaired and restored to working order within eight hours at the PERMITTEE's expense. Any splice must be located within a Type II Junction Box or as directed by the DEPARTMENT.
- 10.13 The PERMITTEE shall obtain locates for the DEPARTMENT's electrical facilities located within Ted Stevens Anchorage International Airport boundary by contacting the Alaska Digline, Inc. Locate Call Center.
- 10.14 Guardrail that is removed or damaged during construction shall be replaced in accordance with Section 606 AKDOT&PF Standard Specifications dated 2004, and Standard Details G-04.10W, G-04.10S, G-00.02, G-10.01.

11.0 TOPSOIL AND SEEDING

- 11.1 The PERMITTEE shall replace and restore all vegetation disturbed. Unless otherwise required, re-vegetation shall consist of establishing seeded grassed slopes over the disturbed ground. The PERMITTEE shall use all means necessary to maintain and protect the disturbed slopes from erosion until such time as the vegetation is established.
- 11.2 The PERMITTEE shall replace any topsoil lost as a result of construction under this Utility Permit.
- 11.3 The PERMITTEE shall re-grade all areas disturbed by work under this Utility Permit to blend with the existing ground surface and re-seed after completing backfill of the FACILITY.
- 11.4 If re-seeding is not complete by August 15th, then re-shaping of all disturbed areas shall be completed by July 1st of the following year. The PERMITTEE is responsible for all erosion control measures and cleaning of ditches and culverts.
- 11.5 The PERMITTEE shall re-seed as per *A Revegetation Manual for Alaska* printed by the Division of Agriculture, Plant Materials Center.

12.0 LIMITATION OF OPERATIONS ON AIRPORTS

- 12.1 All existing runways will remain open and operational during the period of construction. It shall be the responsibility of the PERMITTEE to establish and maintain communication with the Air Traffic Control Tower or Flight Service Station as appropriate and to comply with their requests concerning the movements of construction equipment, men, and materials in the vicinity of the existing runways. The PERMITTEE shall furnish a liaison radio operator and radio with each work party located within 100 feet of a runway centerline.
- 12.2 Vehicles, equipment, and materials shall never be parked or left standing on existing runways. All vehicles operating on airport surfaces shall be provided with a functional rotating amber light. All obstructions except stakes or hazard markers shall be removed during non-working hours.
- 12.3 The PERMITTEE shall be required to remove construction equipment from and otherwise clear the runway shoulders for operations of regularly scheduled airline flights. He shall cooperate with the Airport Manager and the Flight Service Section to remain continuously informed regarding flight schedule times.
- 12.4 The PERMITTEE shall control his operations and the operations of his subcontractors and all suppliers so as to provide for the free and unobstructed movement of aircraft in the Air operations areas of the airport.
- 12.5 When the work requires the PERMITTEE to conduct his operations within an air operations area of the airport, work shall be coordinated with airport management (through the engineer) at least 48-hours prior to commencement of such work. The PERMITTEE shall not close an air operations area until so authorized by the engineer and until the necessary temporary markings and associated lighting is in place as provided in the subsection titled Traffic Control.
- 12.6 The PERMITTEE shall discontinue the use of a machine or device, which interferes with the operation of any government operated transmitters, receiver, or navigational aid until the cause of the interference is eliminated.
- 12.7 The PERMITTEE shall comply with the attached Building/Construction Permit Standard Conditions for Ted Stevens Anchorage International Airport.
- 12.8 The DEPARTMENT will not be responsible for any delays, redesign, rerouting, or additional costs in the permitted project due to encountering contamination.
- 12.9 The PERMITTEE shall provide a copy of the as-built survey to the DEPARTMENT's Ted Stevens Anchorage International Airport Chief Engineer, P.O. Box 196960, Anchorage, Alaska 99519-6960.

13.0 EROSION SEDIMENT CONTROL

- 13.1 The PERMITTEE shall comply with all regulations set forth by the Alaska Construction General Permit (ACGP) and/or Municipal Storm Sewer Sanitation System (MS4).
- 13.2 The PERMITTEE and its contractors shall act as co-PERMITTEES in developing and implementing the Storm Water Pollution Prevention Plan (SWPPP) when the PERMITTEE contracts work to other companies.
- 13.3 Utility Permit projects requiring coverage under the ACGP shall submit all required information to the governing agency in accordance with ACGP section 2.0, 'Authorization under this General Permit'.

- 13.4 SWPPP must be site specific and demonstrate how the PERMITTEE intends to comply with the requirements of ACGP.
- 13.5 The PERMITTEE shall be responsible for all erosion control prior to slopes becoming stabilized.
- 13.6 The PERMITTEE is responsible for installing and maintaining BMPs required by the APDES permit throughout the duration of the project.
- 13.7 Provide an Alaska Certified Erosion and Sediment Control Lead (AK-CESCL) trained person, with the authority to direct all activities by the SWPPP, APDES permit or other permit conditions, during all construction and maintenance activities authorized by this Utility Permit that involve ground disturbing activities. Provide proof of current AK-CESCL certification upon request.

In consideration of the benefits accruing to the PERMITTEE by reasons of the foregoing agreement, this permit is hereby accepted by the PERMITTEE and the PERMITTEE hereby agrees to comply with all of the terms, provisions, conditions and stipulations therein contained.

The State of Alaska, acting by and through its DEPARTMENT of Transportation and Public Facilities has caused this Utility Permit to be executed on:

Dated this 25 day of August, 2025

Dated this _____ day of _____, _____

THE COMPANY OR PERMITTEE

Chugach Electric Assoc. Inc
Name of Company

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

CENTRAL REGION

By: Cynthia Coughlin
CYNTHIA COUGHLIN

By: _____

Title: Manager, Load Services

Title: Acting Regional Utilities Engineer

Attest: Deanna Kilburn
DEANNA KILBURN

Title: Row Agent, SR/WA

ACKNOWLEDGEMENT OF COMPANY OR PERMITTEE

STATE OF ALASKA
3RD JUDICIAL DISTRICT

BE IT REMEMBERED that on this 25th day of August, 2025, before me, the undersigned, a Notary Public of the State of Alaska, personally appeared

Cynthia Coughlin
Deanna Kilburn

and both to me personally known and known to me to be the identical individuals named in and who executed the foregoing permit, and acknowledged the said instrument to be the free and voluntary act and deed of the above named company for the uses and purposes therein expressed and on oath stated that they were authorized to execute said instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Seal of my Office the day and year first above written.

My Commission Expires: June 25, 2028

[Signature]
A Notary Public



In consideration of the benefits accruing to the PERMITTEE by reasons of the foregoing agreement, this permit is hereby accepted by the PERMITTEE and the PERMITTEE hereby agrees to comply with all of the terms, provisions, conditions and stipulations therein contained.

The State of Alaska, acting by and through its DEPARTMENT of Transportation and Public Facilities has caused this Utility Permit to be executed on:

Dated this 25 day of August, 2025

Dated this _____ day of _____, 8/25/2025

THE COMPANY OR PERMITTEE
Chugach Electric Assoc. Inc
Name of Company

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

By: Cynthia Coughlin
CYNTHIA COUGHLIN

CENTRAL REGION
Signed by:
David Freese
By: 4GA173268E04463

Title: Manager, Load Services

Title: Acting Regional Utilities Engineer

Attest: Deanna Kilburn
DEANNA KILBURN

Title: Row Agent, SR/WA

ACKNOWLEDGEMENT OF COMPANY OR PERMITTEE

STATE OF ALASKA
3RD JUDICIAL DISTRICT

BE IT REMEMBERED that on this 25th day of August, 2025, before me, the undersigned, a Notary Public of the State of Alaska, personally appeared

Cynthia Coughlin
Deanna Kilburn

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IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Seal of my Office the day and year first above written.

My Commission Expires: June 25, 2028



[Signature]
A Notary Public

**TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
UTILITY PERMIT XX-3XX
(Central Region Utilities – 1-810001-25-097)**

Runway 7R CEA Supportive Expansion

Chugach Electric Association

STAFF COMMENTS

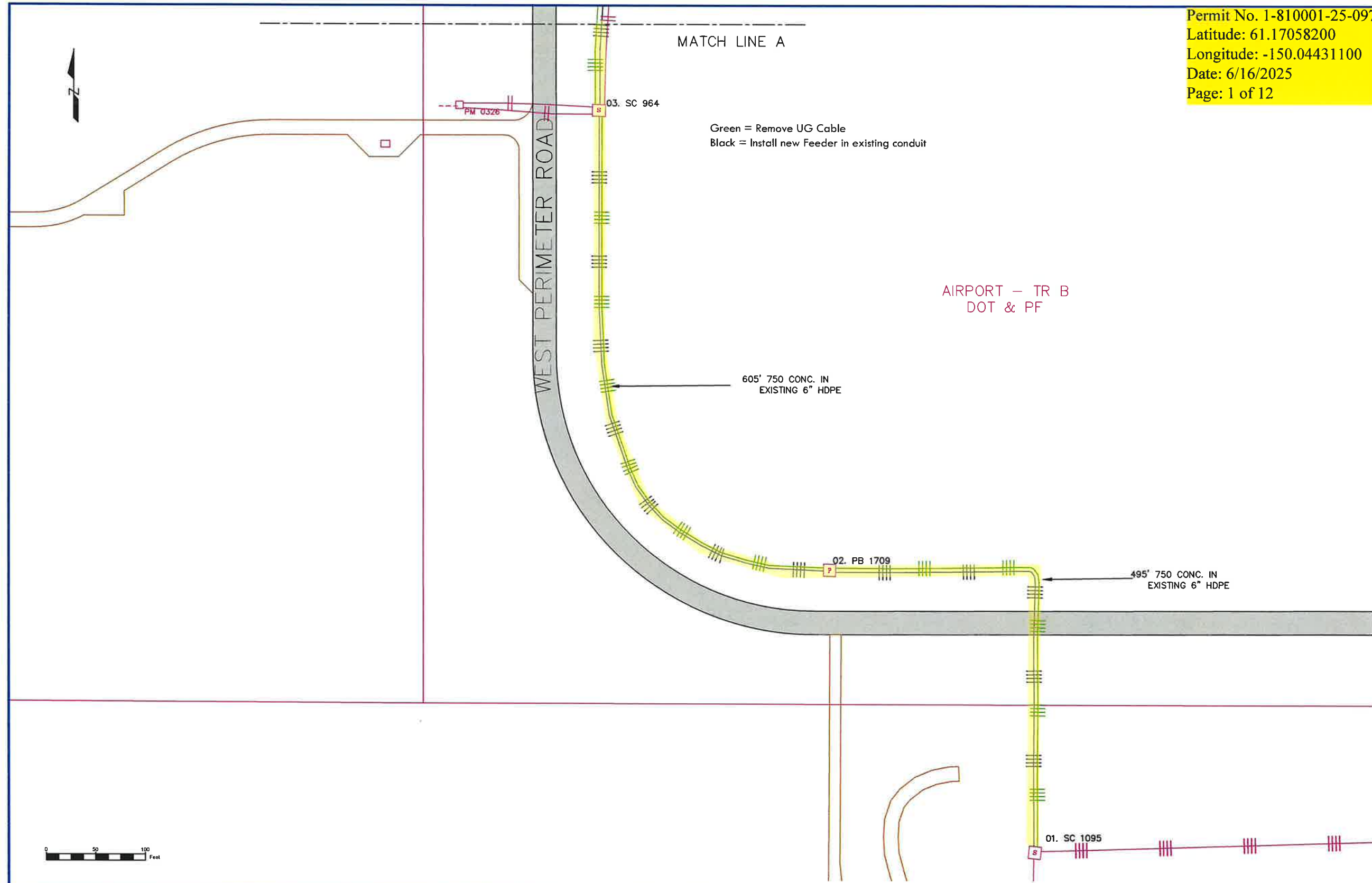
June 3, 2025

1. The PERMITTEE shall obtain locates prior to starting work; 811ak.com or call 811 or (907) 278-3121 or 800-478-3121.
2. The PERMITTEE shall coordinate directly with any airport tenants whose operations may be affected by this work.
3. Coordinate all work, including work schedule, with other Airport projects through ANC Construction Manager Tim Lufkin, (907) 306-5023.
4. Notify Airport Operations, 266-2600, daily, before beginning work and at close of work. Coordinate work schedule and final grade inspection with ANC Construction Manager Tim Lufkin, (907) 306-5023.
5. All work in the Security Identification Display Area (SIDA) shall be compliant with security regulations as outlined in the Airport Security Program. Anyone working in the SIDA shall be badged or escorted. Direct questions regarding requirements to the Airport Security Manager Kristin Odsather at (907) 266-2863.
6. Notify Airport Police and Fire (AP&F) Station 1 Watch Commander (WC) (907) 266-2579, when trenching has begun and then once it has been filled back in and work completed.
7. Do not remove or relocate any soil from the immediate area of the excavation without Alaska Department of Environmental Conservation (ADEC) approval of an excavation, handling, and reuse/disposal plan. Notify ANC Environmental at (907) 748-2024 if contamination is encountered.
8. Coordinate activities potentially affecting airport operations or activities through ANC Operations Construction Manager Tim Lufkin, 907-306-5023.
9. **PERMITTEE shall contact, and coordinate with, ANC Construction Manager prior to working the section between Switch Box 963 and Pull Box 1709.**
10. **PERMITTEE shall notify ANC Facilities Maintenance, by calling 907-266-2432, prior to any switching operations**

11. Do not excavate any soil on the site or within the lease area without Alaska Department of Environmental Conservation (ADEC) approval of an excavation, handling, and reuse/disposal plan. Notify ANC Environmental at (907) 748-2024 if contamination is encountered.
 - a. **Material removed shall be returned to the excavated area to the greatest extent possible.**
12. **PERMITTEE shall provide, prior to permission to proceed, a listing of all equipment proposed for project use, to include equipment specs, for review and processing by The Airport.**
13. **PERMITTEE shall provide information on all bore pit locations, and dimensions, for review and processing prior to permission to proceed.**
 - a. **PERMITTEE shall provide, for review and processing by The Airport, plans to backfill and bring to currently existing conditions all bored locations.**
14. **PERMITTEE shall provide, for review and processing by The Airport, details of bore pit locations in any sloped trenches; including information on proposed slope erosion control, and landscaping of slope after trench is back filled.**
15. **PERMITTEE shall provide, for review and processing by The Airport, planned seed mix to be used in all bored locations that are grassed and require reseeding.**
16. **PERMITTEE is responsible for correcting any discrepancies that arise within 12 months following the completion of project work.**
 - a. **All trenches shall be back filled with suitable material in lifts not to exceed 12 inch in thickness.**
 - b. **Each lift shall be compacted to minimum 95% relative density.**
 - c. **Surface must be graded to match existing drainage and provide a smooth driving surface.**
17. **PERMITTEE shall notify Airport Police and Fire (AP&F) Station 1 Watch Commander (WC) (907) 266-2579, when trenching has begun and then once it has been filled back in and work completed.**
 - a. **PERMITTEE shall ensure that access for emergency response (ANC Police & Fire) is always maintained in every project work location.**
18. **PERMITTEE shall remove all disconnected and deactivated materials.**
 - a. **Abandoning infrastructure in place is not permitted, unless PERMITTEE can demonstrate that it is operationally necessary, and no viable alternative is available, and only with prior conditional approval from The Airport.**

****End of Airport Staff Comments****

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 1 of 12



CONDUCTOR DATA

Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

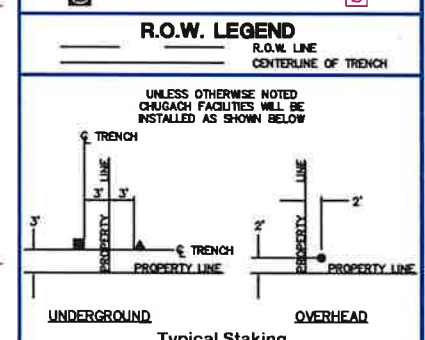
CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

ANCHORAGE AREA.....	278-3121
STATEWIDE.....	800-478-3121
AT&T ALASCOM INC.....	284-8465
ALASKA RAILROAD UTILITIES.....	285-2457
ALYESKA CABLE TV (GROWOOD).....	783-2982
KULUS AIR BASE.....	249-1499
MILITARY PETROLEUM FUEL LINES.....	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS.....	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING



PROJECT: **RBSS 312 PD TESTING & REPAIR**

DESIGNER/PROJECT ENGINEER: **E. COOK** W.O. #: **E2214138**

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25		

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-08
FEEDER: RBSS 312
ELECTRICAL

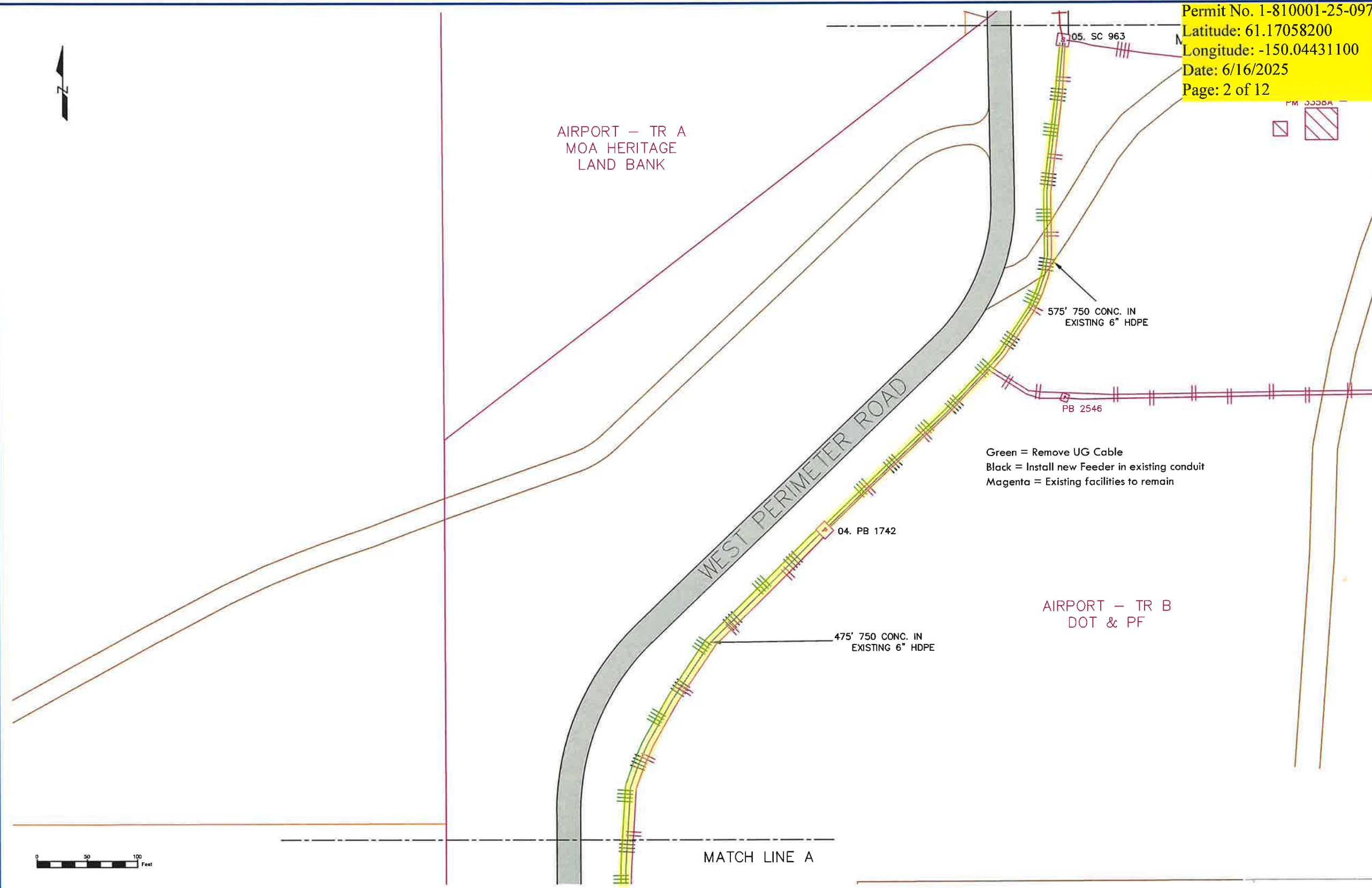
W.O. NO.: **E2214138**

SHEET **1** OF **11**

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 2 of 12



AIRPORT - TR A
 MOA HERITAGE
 LAND BANK



CONDUCTOR DATA

Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!

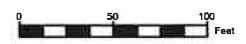
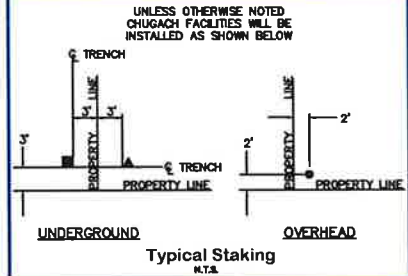
LOCATE CALL CENTER OF ALASKA (LCCA)
 ANCHORAGE AREA..... 278-3121
 STATEWIDE..... 800-478-3121
 AT&T ALASCOM INC..... 264-8485
 ALASKA RAILROAD UTILITIES..... 285-2457
 ALYESKA CABLE TV (GIROWOOD)..... 783-2982
 KULUS AIR BASE..... 249-1499
 MILITARY PETROLEUM FUEL LINES..... 552-2334 OR 552-5342
 STATE STORM DRAINS & STREET LIGHTS..... 333-2411

CONSTRUCTION LEGEND

NEW	EXISTING
▲ PADMOUNT TRANSFORMER	▲ PADMOUNT TRANSFORMER
▲ PEDESTAL	▲ PEDESTAL
● POWER POLE	● POWER POLE
●* STREET LIGHT	●* STREET LIGHT
■ WARNING POST	■ WARNING POST
1# U.G. PRL. CONDUCTOR	1# U.G. PRL. CONDUCTOR
3# U.G. PRL. CONDUCTOR	3# U.G. PRL. CONDUCTOR
--- U.G. SECONDARY CONDUCT.	--- U.G. SECONDARY CONDUCT.
--- U.G. STREET LIGHT CONDUCT.	--- U.G. STREET LIGHT CONDUCT.
--- 1# O.H. CONDUCTOR	--- 1# O.H. CONDUCTOR
--- 3# O.H. CONDUCTOR	--- 3# O.H. CONDUCTOR
□ JUNCTION BOX	□ JUNCTION BOX
◇ SPICE POINT	◇ SPICE POINT
--- SPARE CONDUIT	--- SPARE CONDUIT
--- CONDUIT W/ CONDUCTOR	--- CONDUIT W/ CONDUCTOR
□ SWITCH CABINET	□ SWITCH CABINET

R.O.W. LEGEND

--- R.O.W. LINE
 --- CENTERLINE OF TRENCH



PROJECT: **RBSS 312 PD TESTING & REPAIR**
 DESIGNER/PROJECT ENGINEER: **E. COOK** W.O. #: **E2214138**

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25		

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR
 TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT**
 GRID: 1820, 1821, 1822, 1920, 2018, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
 FEEDER: **RBSS 312**
ELECTRICAL

W.O. NO.: **E2214138**
 C.W.P. REF. NO.: **E**

SHEET 2 OF 11

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 3 of 12



MATCH LINE C

WEST PERIMETER ROAD

START BORE

AIRPORT - TR A
 MOA HERITAGE
 LAND BANK

Red = Abandon in place
 Black = Install new Feeder in new conduit
 Green = Remove UG Cable

1290' 750 CONC. IN
 (2) 6" HDPE

AIRPORT - TR B
 DOT & PF

05. SC 963

MATCH LINE B

CONDUCTOR DATA

Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity In Feet _____	Quantity In Feet _____

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LOCA)

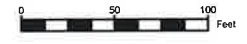
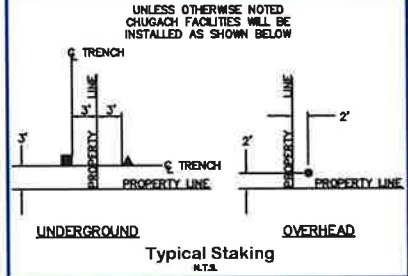
ANCHORAGE AREA.....	278-3121
STATEWIDE.....	800-478-3121
AT&T ALASCOM INC.....	264-8465
ALASKA RAILROAD UTILITIES.....	265-2457
ALYESKA CABLE TV (GIRDWOOD).....	783-2982
KULUS AIR BASE.....	249-1499
MILITARY PETROLEUM FUEL LINES.....	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS.....	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING

R.O.W. LEGEND

	R.O.W. LINE
	CENTERLINE OF TRENCH



PROJECT: RBSS 312 PD TESTING & REPAIR			
DESIGNER/PROJECT ENGINEER: E. COOK		W.O. #: E2214138	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25	

ENG. STAMP



Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
 FEEDER: **RBSS 312**
ELECTRICAL

W.O. NO.: **E2214138**
 C.W.P. REF. NO.: **E2214138**

SHEET **3** OF **11**

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 4 of 12



Green = Remove UG Cable
 Black = Install new Feeder in new conduit
 Magenta = Existing facilities to remain

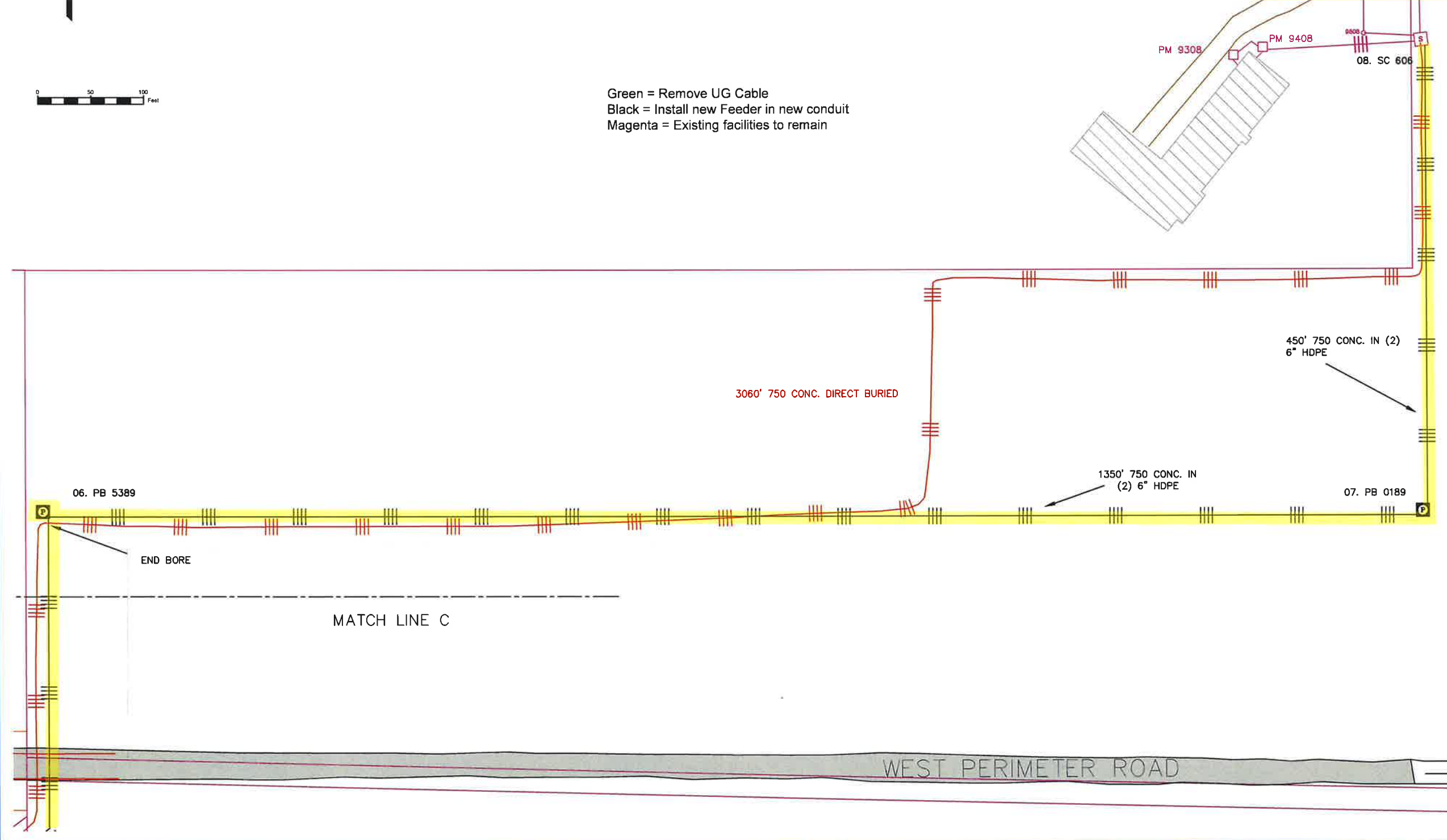
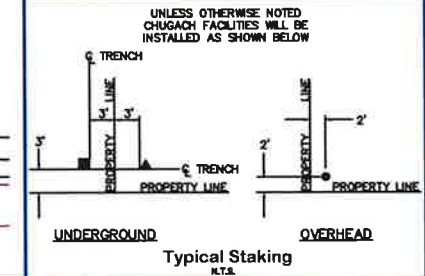


CONDUCTOR DATA	
Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!	
LOCATE CALL CENTER OF ALASKA (LCCA)	278-3121
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	284-8465
ALASKA RAILROAD UTILITIES	285-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND		
NEW		EXISTING
	PADMOUNT TRANSFORMER	
	PEDESTAL	
	POWER POLE	
	STREET LIGHT	
	WARNING POST	
	1# U.G. P.R.L. CONDUCTOR	
	3# U.G. P.R.L. CONDUCTOR	
	U.G. SECONDARY CONDUCTOR	
	U.G. STREET LIGHT CONDUCTOR	
	1# O.H. CONDUCTOR	
	3# O.H. CONDUCTOR	
	JUNCTION BOX	
	SPLICE POINT	
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
	SWITCH CABINET	

R.O.W. LEGEND	
	R.O.W. LINE
	CENTERLINE OF TRENCH



PROJECT: RBSS 312 PD TESTING & REPAIR			
DESIGNER/PROJECT ENGINEER: E. COOK		W.O. #: E2214138	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25	

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
ELECTRICAL

W.O. NO.: **E2214138**
 C.W.P. REF. NO.: **E2214138**

SHEET 4 OF 11

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 5 of 12



CONDUCTOR DATA

Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LOCA)

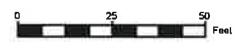
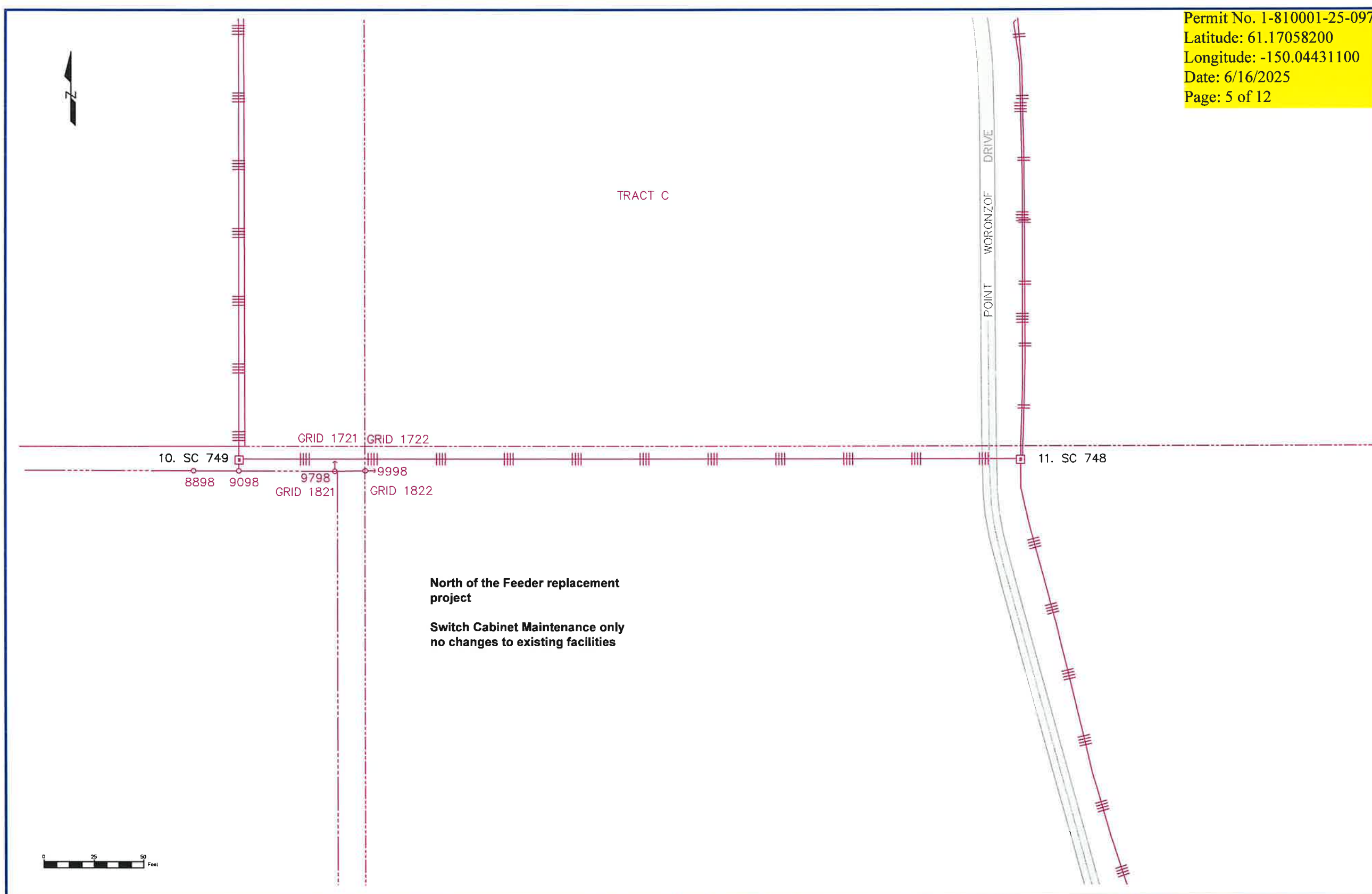
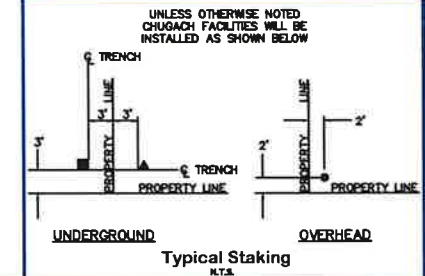
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	264-8485
ALASKA RAILROAD UTILITIES	285-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING

R.O.W. LEGEND

	R.O.W. LINE
	CENTERLINE OF TRENCH



PROJECT: RBSS 312 PD TESTING & REPAIR			
DESIGNER/PROJECT ENGINEER: E. COOK		W.O. #: E2214138	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25	

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
ELECTRICAL

W.O. NO.: **E2214138**

C.W.P. REF. NO.: **E**

SHEET **5** OF **11**

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 6 of 12



CONDUCTOR DATA

Manuf. _____	Manuf. _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

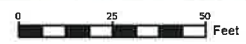
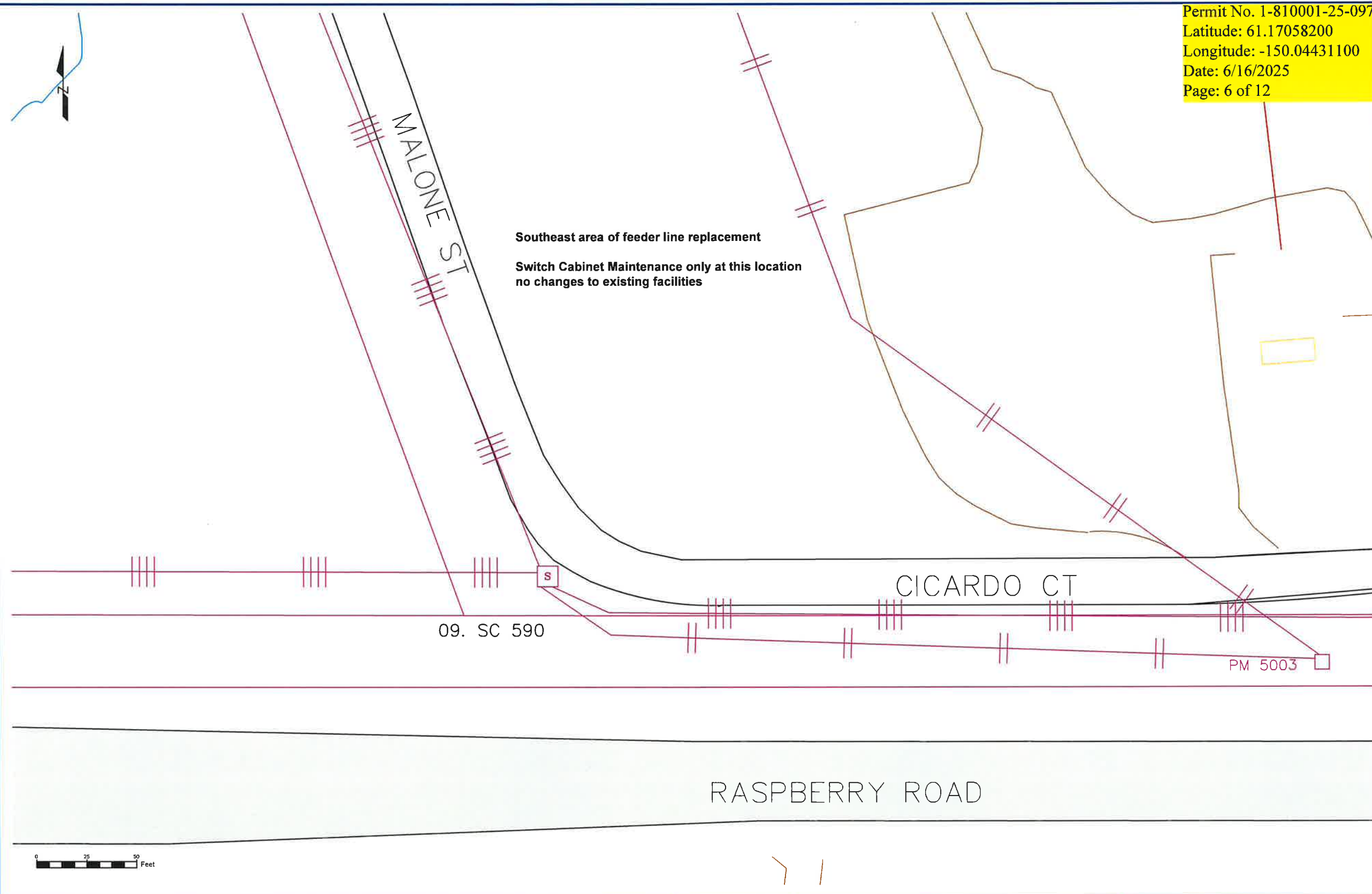
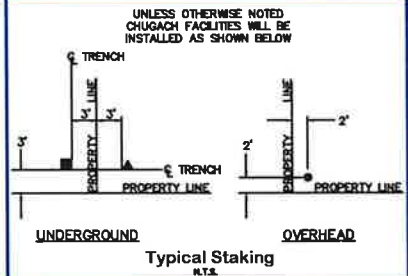
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	264-8465
ALASKA RAILROAD UTILITIES	265-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334
	OR 552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING

R.O.W. LEGEND

	R.O.W. LINE
	CENTERLINE OF TRENCH



PROJECT: RBSS 312 PD TESTING & REPAIR			
DESIGNER/PROJECT ENGINEER: E. COOK		W.O. #: E2214138	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25	

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
ELECTRICAL

W.O. NO.: **E2214138**

C.W.P. REF. NO.: **E**

SHEET **6** OF **11**

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 7 of 12



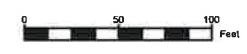
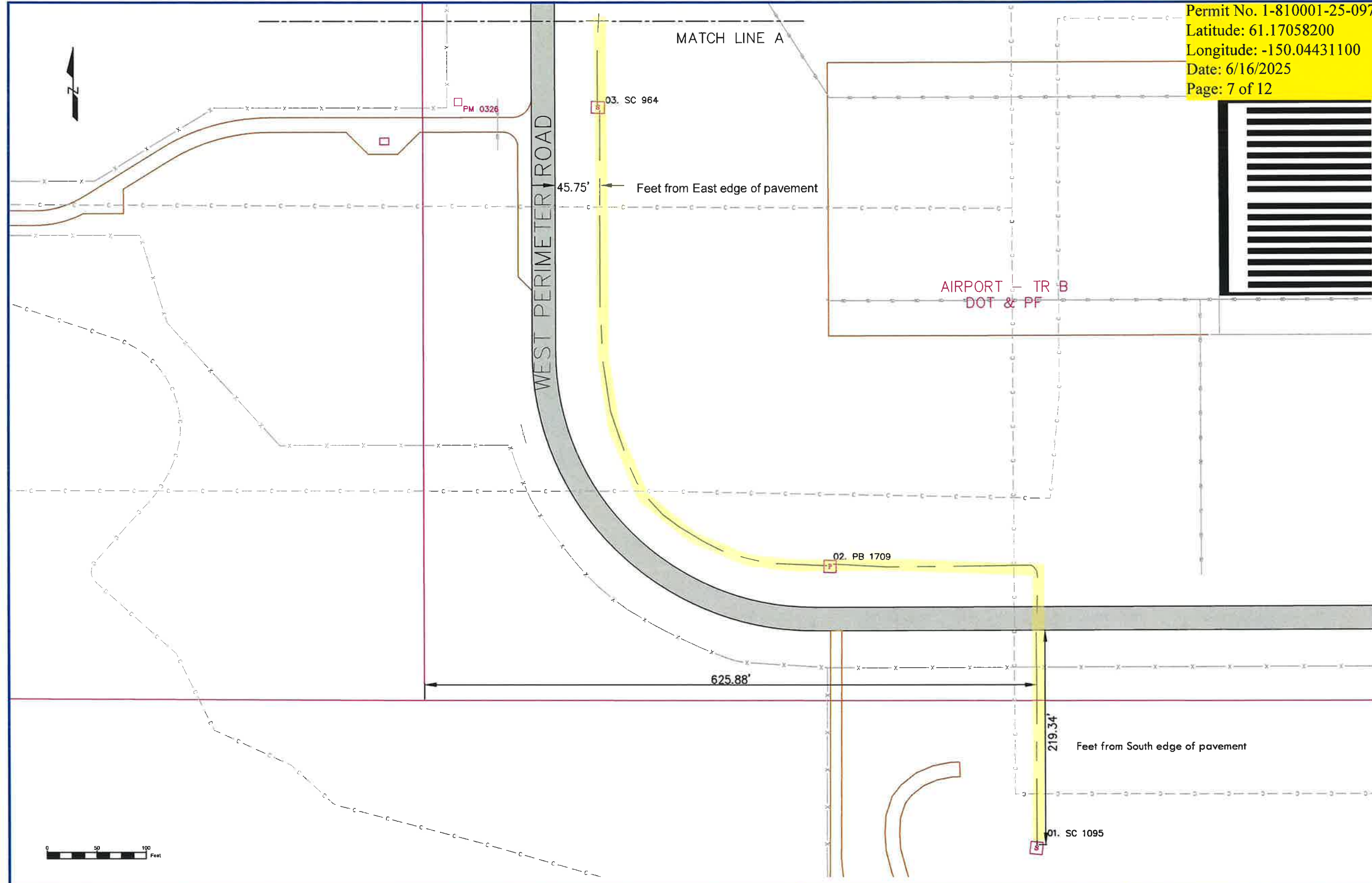
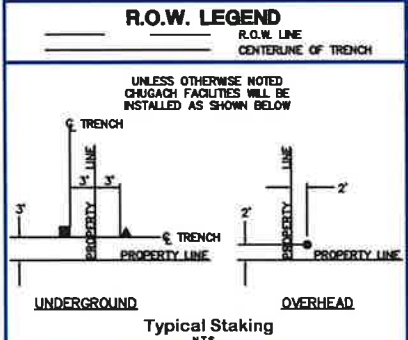
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Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA) 278-3121
 ANCHORAGE AREA 278-3121
 STATEWIDE 800-478-3121
 AT&T ALASCOM INC. 284-8465
 ALASKA RAILROAD UTILITIES 285-2457
 ALYESKA CABLE TV (GROVWOOD) 783-2882
 KULIS AIR BASE 249-1499
 MILITARY PETROLEUM FUEL LINES 552-2334
 OR 552-5342
 STATE STORM DRAINS & STREET LIGHTS 333-2411

CONSTRUCTION LEGEND

NEW	EXISTING



PROJECT: RBSS 312 PD TESTING & REPAIR			
DESIGNER/PROJECT ENGINEER: E. COOK		W.O. #: E2214138	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE
0	ISSUED FOR PRELIM	EC 4/7/25	

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME:
RBSS 312 PD TESTING & REPAIR
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
RIGHT-OF-WAY

W.O. NO.:
E2214138

C.W.P. REF. NO.:
E

SHEET **7** OF **11**

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 8 of 12



CONDUCTOR DATA

Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet

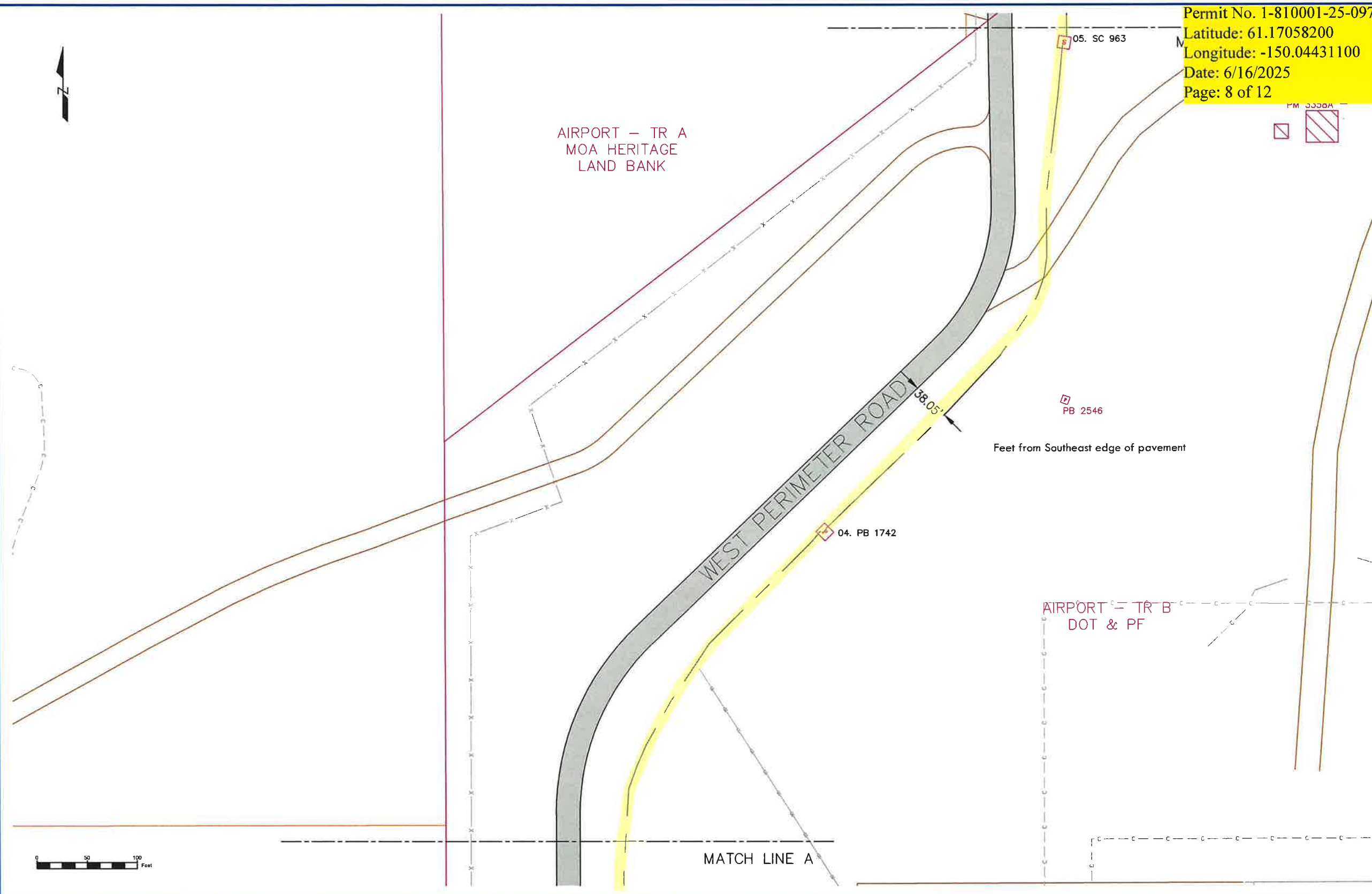
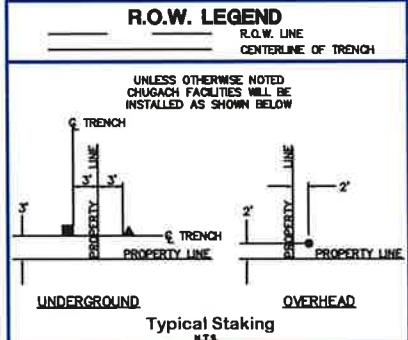
CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	264-8465
ALASKA RAILROAD UTILITIES	265-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING



PROJECT: **RBSS 312 PD TESTING & REPAIR**

DESIGNER/PROJECT ENGINEER: **E. COOK** W.O. #: **E2214138**

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25		

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1820, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
RIGHT-OF-WAY

W.O. NO.: **E2214138**
 C.W.P. REF. NO.: **E2214138**

SHEET 8 OF 11

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 9 of 12



CONDUCTOR DATA	
Manuf. _____	Manuf. _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!

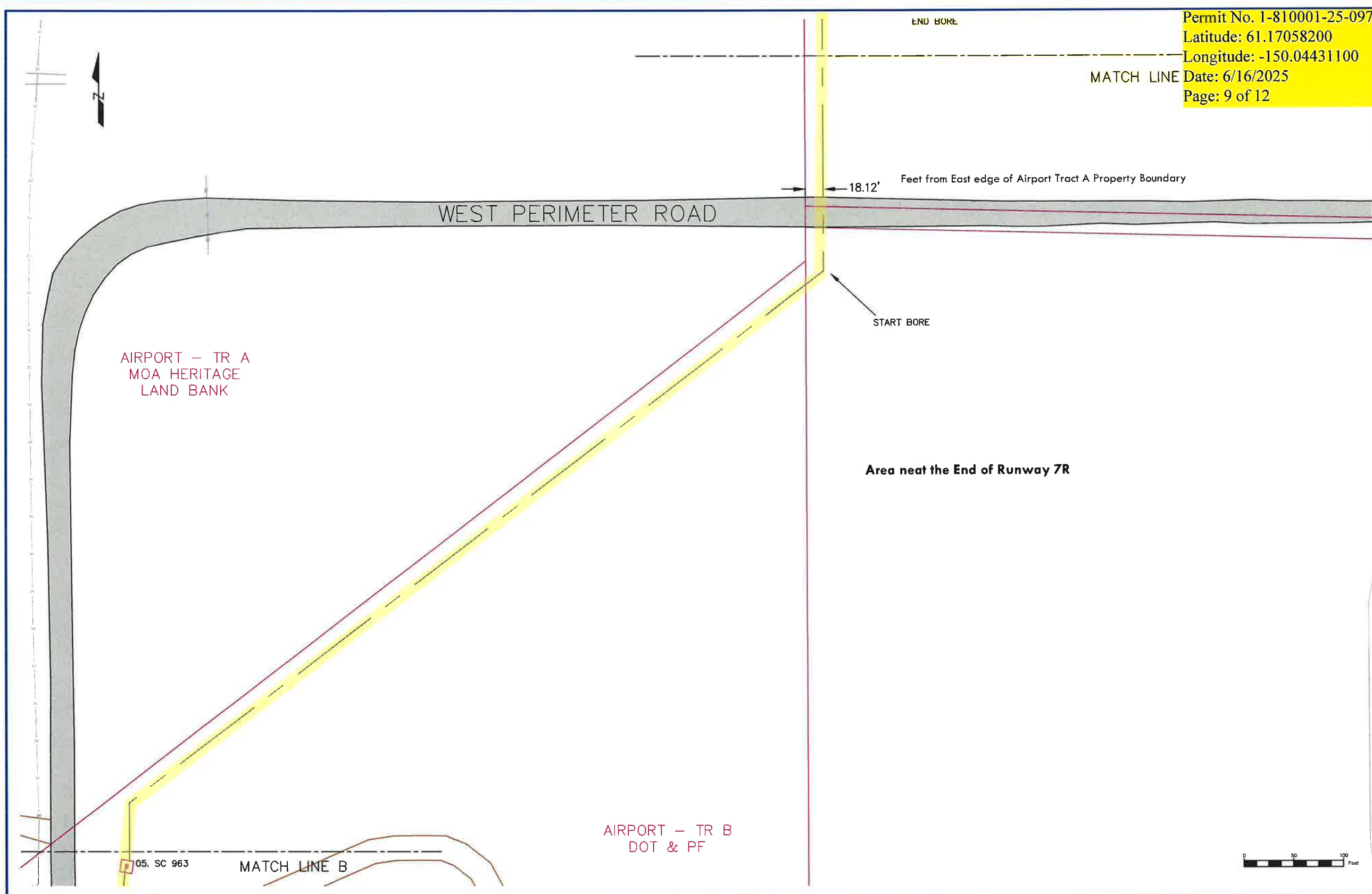
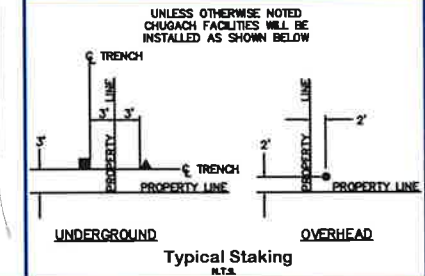
LOCATE CALL CENTER OF ALASKA (LCCA)
 ANCHORAGE AREA..... 278-3121
 STATEWIDE..... 800-478-3121
 AT&T ALASCOM INC..... 264-8465
 ALASKA RAILROAD UTILITIES..... 285-2457
 ALYESKA CABLE TV (GIRDWOOD)..... 783-2982
 KULUS AIR BASE..... 249-1499
 MILITARY PETROLEUM FUEL LINES..... 552-2334
 OR 552-5342
 STATE STORM DRAINS & STREET LIGHTS..... 333-2411

CONSTRUCTION LEGEND

NEW	EXISTING

R.O.W. LEGEND

	R.O.W. LINE
	CENTERLINE OF TRENCH



PROJECT: **RBSS 312 PD TESTING & REPAIR**
 DESIGNER/PROJECT ENGINEER: **E. COOK** W.O. # **E2214138**

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25		

ENG. STAMP

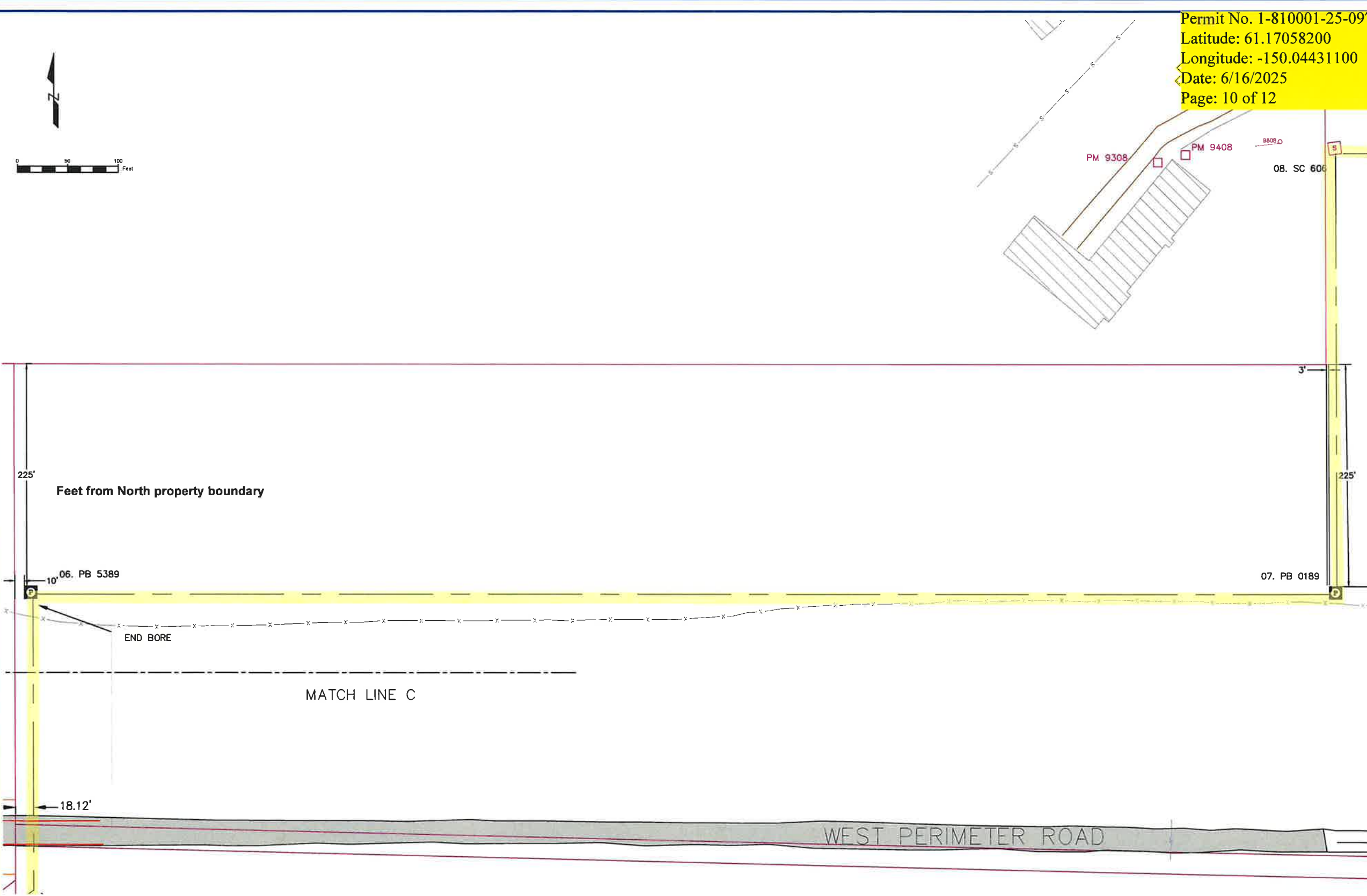
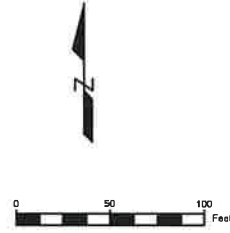
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1820, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
RIGHT-OF-WAY

W.O. NO.: **E2214138**
 C.W.P. REF. NO.: **E2214138**

SHEET 9 OF 11

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 10 of 12



CONDUCTOR DATA

Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet

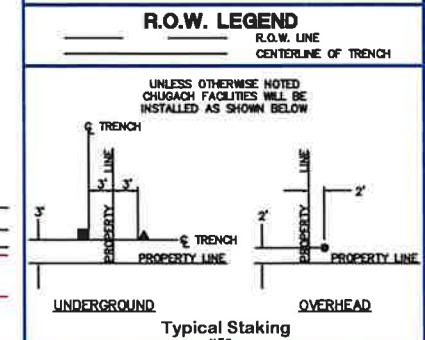
CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	284-8485
ALASKA RAILROAD UTILITIES	285-2457
ALYESKA CABLE TV (GRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING



PROJECT: **RBSS 312 PD TESTING & REPAIR**
 DESIGNER/PROJECT ENGINEER: **E. COOK** W.O. #: **E2214138**

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25		

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2019, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
RIGHT-OF-WAY

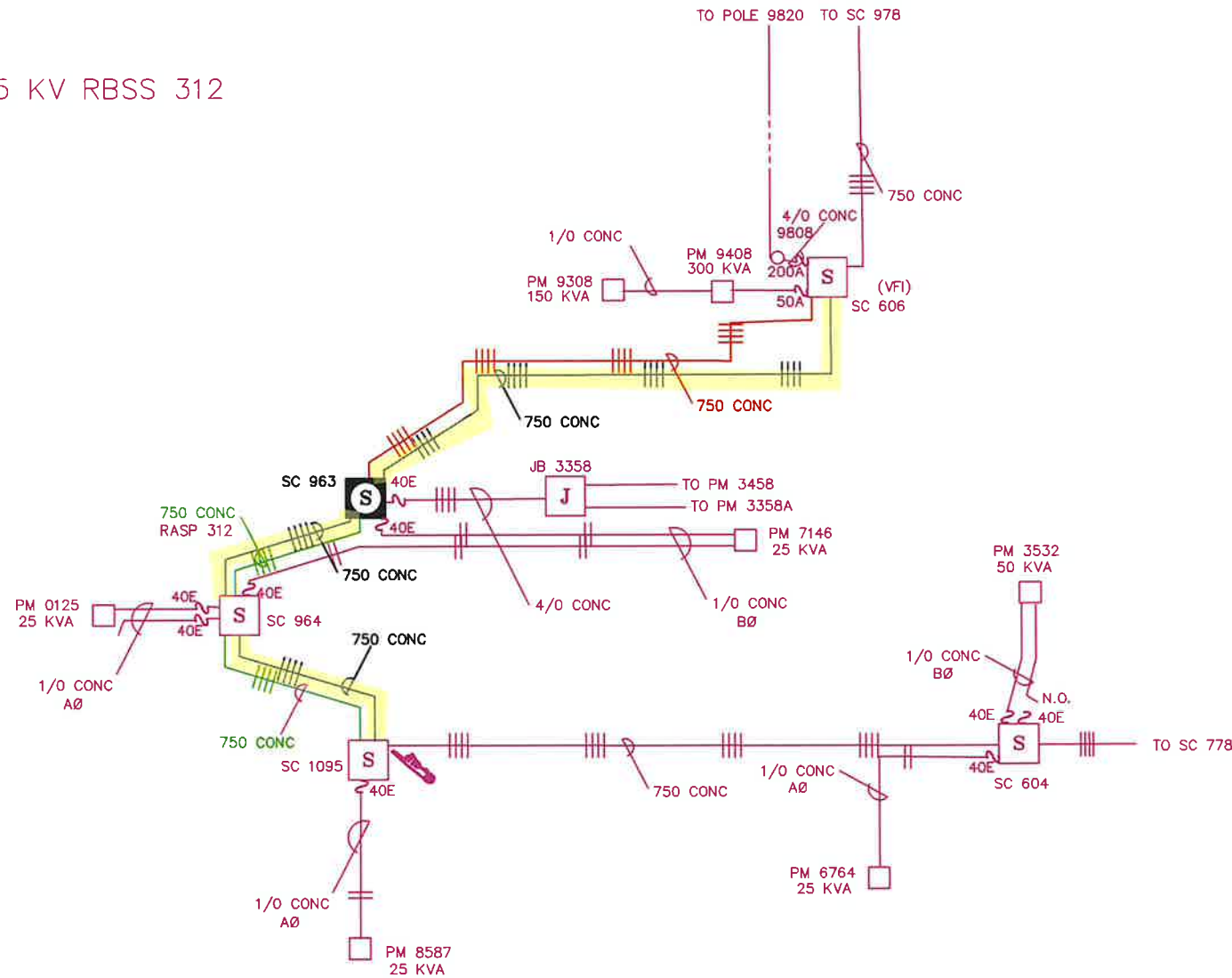
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 C.W.P. REF. NO.: **E**

SHEET 10 of 11

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 11 of 12



ALL CIRCUITS 15 KV RBSS 312 FEEDER



CONDUCTOR DATA

Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

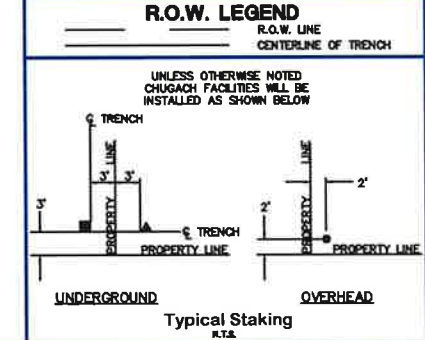
CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

ANCHORAGE AREA.....	278-3121
STATEWIDE.....	800-478-3121
AT&T ALASCOM INC.....	284-8485
ALASKA RAILROAD UTILITIES.....	285-2457
ALASKA CABLE TV (GIROWOOD).....	783-2982
KULIS AIR BASE.....	249-1499
MILITARY PETROLEUM FUEL LINES.....	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS.....	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING



NOT TO SCALE

PROJECT: **RBSS 312 PD TESTING & REPAIR**

DESIGNER/PROJECT ENGINEER: **E. COOK** W.O. #: **E2214138**

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR REVIEW	EC 4/7/25		

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

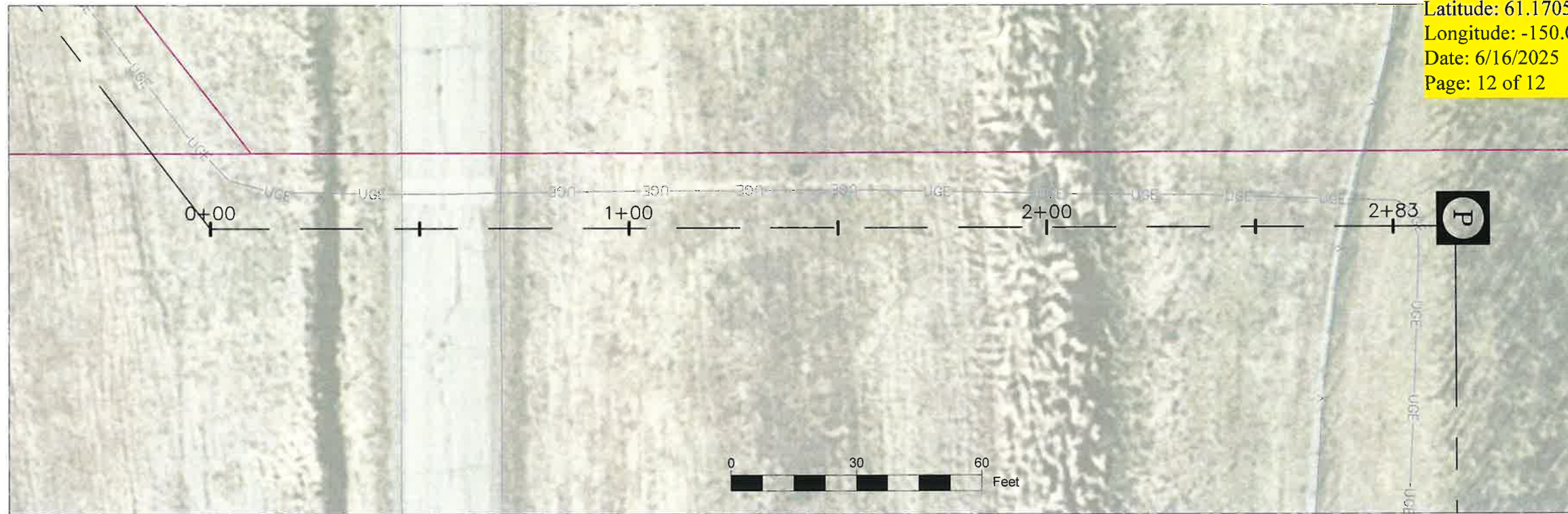
DRAWING NAME: **RBSS 312 PD TESTING & REPAIR**
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
 GRID: 1820, 1821, 1822, 1920, 2018, 2024 MAP: 1304-32, 1304-33, 1204-03, 1204-06
FEEDER: RBSS 312
PRIMARY CIRCUIT DIAGRAM

W.O. NO.: **E2214138**

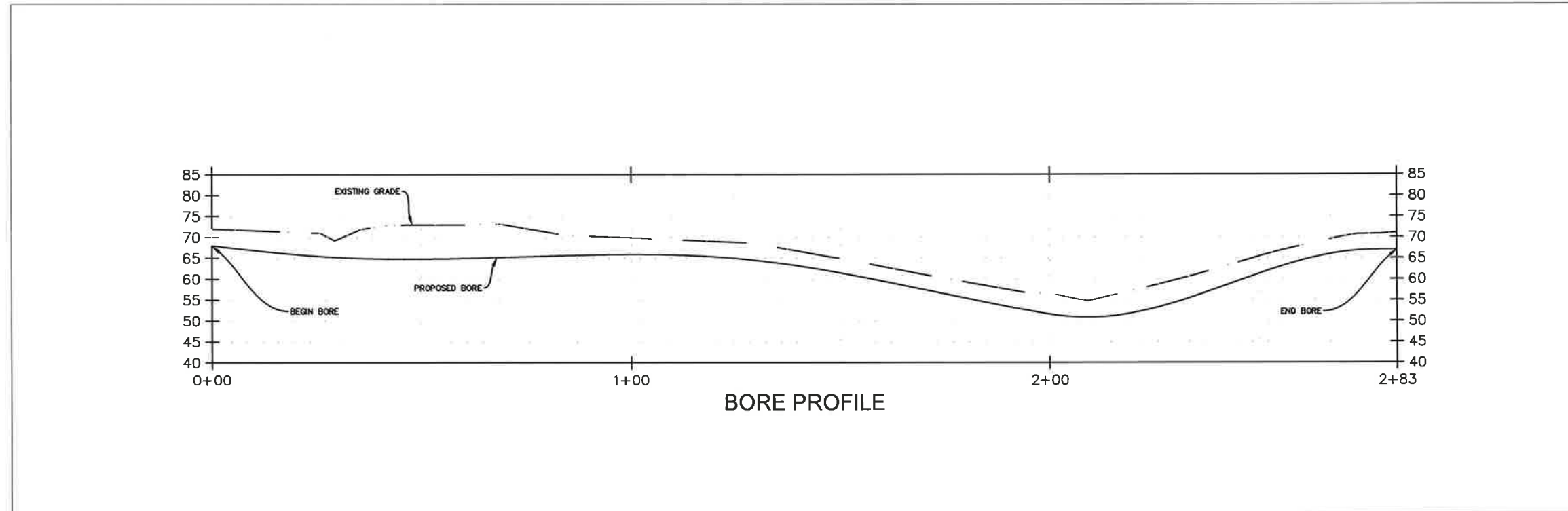
C.W.P. REF. NO.: _____

SHEET 11 OF 11

Permit No. 1-810001-25-097
 Latitude: 61.17058200
 Longitude: -150.04431100
 Date: 6/16/2025
 Page: 12 of 12



BORE CENTERLINE



BORE PROFILE - WEST PERIMETER ROAD



CONDUCTOR DATA

Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insul. Type _____	Insul. Type _____
Insul. Size _____	Insul. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

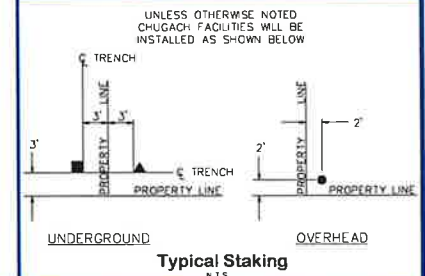
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	264-8465
ALASKA RAILROAD UTILITIES	265-2457
ALYESKA CABLE TV (GRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

NEW	EXISTING

R.O.W. LEGEND

	R.O.W. LINE
	CENTERLINE OF TRENCH



PROJECT: RBSS 312 PD Testing & Repair-SI		DESIGNER/PROJECT ENGINEER: E. COOK		W.O. #: E2214138	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE	
0	PRELIMINARY	EC 06/16/25			

ENG. STAMP

Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: RBSS PD TESTING & REPAIR SYSTEM IMPROVEMENT

GRIDS: 1820, 1821, 1822, 1920, 2019, 2024 MAPS: 1304-32, 1304-33, 1204-03, 1204-06
 FEEDER: RBSS 312

W.O. NO.: E2214138

SHEET 1 OF 1