

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

UTILITY PERMIT
(Major)

Gambell Street
W.O. No.: P1900043

Approval
Recommended: _____

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) **Underground 35 kV, 15 kV, & 600 V Electric Lines** hereinafter called the FACILITY, located as follows: **along and across Gambell Street from Fifth Avenue to Fifteenth Avenue**

M.P.: 0.1320 to 0.8330

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 4/21/2026, consisting of 46 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 **3,840** linear feet at \$1.00 per foot = **\$3,840.00**, (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) 1Ø, (6) 3Ø**Voltage and Phase: **35 kV, 15 kV, 600 V**Conductor (Cable Type and Size): **1/0 CONC, 4/0 CONC, 750 CONC AL**Number & Size of Conduits: **(2) 2-inch HDPE, (4) 4-inch HDPE, (2) 6-inch HDPE**Size and Type of Encasement: **None**Crossing Angle: **90°** Length: **240 feet**Depth Below Road Surface (Min. 48"): **48 inches**Depth of Ditch Prism Placement (Min. 48"): **48 inches**Depth 10 feet Outside Slope Limits (Min. 36"): **36 inches**Method(s) of Crossing Installation: **Boring**Longitudinal Facility Length: **3,800 feet**

Facility Offset from:

Highway Right-of-Way: **13 feet**Highway Centerline: **17 feet**Edge of Pavement: **5 feet**Method(s) of Longitudinal Installation: **Boring****Construction Code(s) Applicable: DOT&PF Standard Specifications for Highway Construction (2020 Edition), NESC****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 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.
- 1.8 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.
- 1.9 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.

- 1.10 The PERMITTEE shall submit the complete bid package, including plans, specifications, and contract documents, to the DEPARTMENT for review prior to advertisement or award of the work. This submittal is required to ensure that all permit conditions and project requirements are properly incorporated into the contract documents and communicated to prospective bidders. Submission and review of the bid package is intended to facilitate efficient permit review and to minimize future claims, disputes, or delays resulting from incomplete or inconsistent contract requirements.

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 The PERMITTEE agrees to complete the FACILITY under this Utility Permit by **10/1/2026**.
- 2.3 The PERMITTEE agrees to replace 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 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 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.
- 3.3 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.
- 3.4 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.
- 4.2 The PERMITTEE is responsible for implementing public notification and outreach measures in accordance with the approved Traffic Management Plan (TMP). Such measures shall include, at a minimum, the use of changeable message signs installed no less than one (1) week in advance of major traffic impacts, direct outreach to affected businesses and residents within the project corridor, and coordination with local agencies as applicable. These notification and outreach measures shall be developed and implemented consistent with FHWA Work Zone Public Information and Outreach guidance and Section 1400 of the Alaska DOT&PF Preconstruction Manual and shall be maintained and updated throughout the duration of the work to ensure timely and accurate public information regarding traffic impacts.
- 4.3 The PERMITTEE is responsible for coordinating with the Municipal Traffic Signals Department when performing work that affects signalized intersections. The PERMITTEE shall submit the approved Traffic Management Plan (TMP) and provide written notification to the Municipal Traffic Signals Coordinator a minimum of one (1) week prior to the commencement of work. Additional notification shall be provided a minimum of forty-eight (48) hours prior to any lane closures or traffic pattern changes, to allow for the scheduling of signal technicians and implementation of necessary signal timing adjustments.

5.0 TRAFFIC CONTROL

- 5.1 All traffic control, pedestrian accommodation, and lane closure operations shall comply with 23 CFR Part 630, Subpart J (Work Zone Safety and Mobility Rule), 23 CFR Part 655 Subpart F, the Manual on Uniform Traffic Control Devices (MUTCD), 11th Edition, the Americans with Disabilities Act (ADA), the Public Rights-of-Way Accessibility Guidelines (PROWAG), FHWA Work Zone Safety and Mobility guidance, the Alaska DOT&PF Standard Specifications for Highway Construction, and the Alaska DOT&PF Preconstruction Manual, as applicable.
- 5.2 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)

- 5.3 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.

- 5.4 This project is classified as a Category 1 Significant Project in accordance with Chapter 14 of the Alaska DOT&PF Preconstruction Manual due to the project scope and corridor characteristics. As a result, the PERMITTEE shall prepare and implement a Traffic Management Plan (TMP), developed and stamped by a Professional Civil Engineer registered in the State of Alaska, containing all required elements identified in Section 1400 of the Preconstruction Manual. An example TMP may be provided by the DEPARTMENT upon request.
- 5.5 Prior to preparation and submittal of the Traffic Management Plan (TMP) and Temporary Traffic Control Plans (TCPs), the PERMITTEE shall participate in a pre-TMP coordination meeting with the DEPARTMENT. This meeting shall include the Department's Traffic Safety Engineer and other designated staff and shall be conducted for the purpose of reviewing anticipated traffic, pedestrian, and access impacts, identifying corridor-specific operational constraints, and establishing recommended traffic control strategies to facilitate timely review and approval.

Based on this coordination, the PERMITTEE shall incorporate into the TMP and TCPs, as applicable, measures addressing lane assignment modifications, temporary signing and pavement marking adjustments, lane closures, access management, pedestrian detours, and intersection operations. Such measures may include, but are not limited to, temporary modification or covering of regulatory and lane assignment signage, provision of temporary lane-use signing, adjustment of turn lane configurations, implementation of protected pedestrian routing using longitudinal channelizing devices or barrier systems, installation of temporary access ramps, development of temporary crossing treatments at unsignalized locations, provision of supplemental pedestrian warning signage, and installation of temporary lighting where warranted.

The TMP and TCPs shall also address the need to maintain access to adjacent properties, businesses, and gated facilities; provide safe and accessible pedestrian crossing opportunities between signalized intersections where feasible; and manage queue formation and weaving movements through advance signing and traffic control devices. All proposed pedestrian routing systems, barrier systems, and channelization devices shall be appropriate for operating speeds and traffic volumes and shall be subject to DEPARTMENT approval.

Recommendations provided by the Traffic Safety Engineer during the pre-TMP coordination meeting shall be incorporated into the TMP and TCPs unless otherwise approved in writing by the DEPARTMENT. Failure to conduct the required pre-TMP coordination or to address identified corridor-specific needs may result in delayed review, required resubmittals, or suspension of work.

- 5.6 The PERMITTEE shall provide and maintain traffic control plans and devices conforming to the latest, 11th Edition of the Manual on Uniform Traffic Control Devices (MUTCD), as published by the U.S. Department of Transportation, and the Alaska Traffic Manual Supplement, during construction of the FACILITY and during any subsequent maintenance activities. All Temporary Traffic Control Plans (TCPs) submitted for DEPARTMENT review and approval shall clearly depict the actual limits of work, including the dimensions of work areas, buffer spaces, tapers, transitions, pedestrian routes, and equipment clearances, and shall include sufficient detail to demonstrate compliance with applicable MUTCD layout and application requirements.

Stationary work zones in place for more than three (3) consecutive days shall be treated as Long-Term Stationary work zones in accordance with MUTCD, 11th Edition, Section 6, and shall incorporate all applicable traffic control devices and treatments required for such operations.

TCPs that do not accurately reflect field conditions, omit required dimensions, or lack complete MUTCD-compliant layout details may be rejected and returned for revision. No work shall proceed until acceptable TCPs have been approved in writing by the DEPARTMENT.

The PERMITTEE shall monitor traffic operations during active lane closures and shall implement additional mitigation measures, including adjustment of traffic control devices, modification of taper lengths, coordination of signal timing, deployment of flaggers, or temporary suspension of work, as directed by the DEPARTMENT, if queues, delays, or safety concerns exceed acceptable levels. Failure to maintain reasonable traffic operations may result in modification, suspension, or revocation of approved TCPs or lane closure permits. Implementation of DEPARTMENT-directed corrective actions shall not constitute grounds for claims of additional compensation, time extensions, or changed conditions.

- 5.7 In addition to the approved Traffic Management Plan (TMP) and Temporary Traffic Control Plans (TCPs), the PERMITTEE shall, at its sole cost and expense, prepare and submit a project Work Plan for review and approval by the DEPARTMENT prior to commencing any construction activities. The Work Plan shall be consistent with the approved Traffic Control Plan and Traffic Management Plan and shall be structured to minimize disruption to vehicular and pedestrian traffic, adjacent businesses and residents, and emergency services, and shall address, at a minimum, work sequencing and phasing, lane restrictions and access limitations, schedules for major utility connections, relocations, and service interruptions, measures to maintain pedestrian access and mobility, provisions for emergency vehicle access, methods to minimize impacts to adjacent properties, dust, erosion, and environmental controls, noise and construction activity management, and identification of equipment and material staging areas.

The PERMITTEE shall submit the Work Plan for approval within fourteen (14) days after award of the contract, as applicable, and shall coordinate the Work Plan with the Traffic Management Plan, excavation and shoring plans, and all other related submittals. The DEPARTMENT will review the Work Plan within fourteen (14) days of receipt of a complete and acceptable submittal. The review period will not begin until a COMPLETE submittal has been received. Submittals requiring revision and resubmittal will be subject to additional review periods. No work shall proceed until the DEPARTMENT has approved the Work Plan in writing. The Work Plan shall include estimated completion dates for each major phase of work.

- 5.8 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.
- 5.9 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.
- 5.10 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.
- 5.11 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.
- 5.12 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.
- 5.13 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.

- 5.14 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.
- 5.15 Setup and maintain proper detours for all affected pathways. The PERMITTEE is responsible for all liability caused by the Detours.
- 5.16 Provide adequate signing, barricades, and traffic control devices for affected pathways for the duration of construction.
- 5.17 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.
- 5.18 Provide and maintain safe routes for pedestrians and bicyclists through/around traffic control zones at all times.
- 5.19 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.
- 5.20 All illumination and signalization shall remain operational throughout construction of the FACILITY. Highway lighting shall be continuously maintained in its current state for the duration of the project, and fully functioning lighting systems shall be left in place upon conclusion of the PERMITTEE's work. Any load centers, temporary power systems, or related equipment necessary to maintain continuous lighting operations shall be installed, operated, and maintained by the PERMITTEE.
- 5.21 All proposed equipment and material staging areas located within, or accessed from, the public right-of-way shall be submitted to the DEPARTMENT for traffic safety review and approval prior to the commencement of work. The DEPARTMENT will review proposed staging areas within fourteen (14) days of receipt of a complete and acceptable submittal. The review period will not begin until a COMPLETE submittal has been received. Submittals requiring revision and resubmittal will be subject to additional review periods. No staging activities shall occur until written approval has been received. No staging activities shall occur until written approval has been received.
- 5.22 The PERMITTEE shall provide and maintain safe, continuous, and accessible routes for pedestrians and bicyclists through and around all traffic control zones at all times. Where access ramps are affected by construction activities, ramp closures and removals shall be phased such that an access ramp is not removed concurrently with its use as part of a designated pedestrian detour route, and no more than one (1) access ramp shall be closed at any intersection, whether signalized or unsignalized, at any time.

Pedestrian routes adjacent to traffic or work areas shall be protected using concrete barrier or connected channelizing devices in lieu of barrels or pedestrian fencing, such that routes are detectable, ADA-compliant, and discourage mid-block crossings. Additional pedestrian warning signage shall be provided at unmarked or unsignalized crossings where pedestrian activity is anticipated.

When developing Temporary Traffic Control Plans, the PERMITTEE shall evaluate the use of temporary crosswalks, including two-lane-wide crossings with advance signing and temporary pavement markings, to support pedestrian detours and minimize detour lengths. Only one side of the roadway shall be restricted at a time unless otherwise approved by the DEPARTMENT.

Where pedestrian detouring is not feasible due to traffic volumes, the absence of controlled crossings or absence of accessible alternative route, longitudinal channelizing devices (LCDs) shall be used to route pedestrians between traffic and the delineated work zone. LCD systems shall be appropriate for the operating speeds and traffic volumes and shall be interlocked and anchored as required. Temporary access ramps shall be provided at all entry and exit points to pedestrian routes.

Examples of acceptable pedestrian protection and channelization systems include, but are not limited to, TL-2 water-filled barriers, Texas low-profile barriers with delineation and approved transitions, and pinned steel barrier systems with appropriate end treatments. Other systems providing equivalent or greater levels of safety and accessibility may be proposed, subject to review and written approval by the DEPARTMENT. The DEPARTMENT will review such submittals within fourteen (14) days of receipt of a complete and acceptable submittal. The review period will not begin until a COMPLETE submittal has been received. Submittals requiring revision and resubmittal will be subject to additional review periods.

- 5.23 The PERMITTEE shall implement a phased construction approach and shall develop and submit project-specific Temporary Traffic Control Plans (TCPs) for each construction phase. Phasing shall be structured to limit the extent of active work areas and to avoid disrupting multiple intersections or major access points simultaneously, unless otherwise approved by the DEPARTMENT. Work activities shall be sequenced to minimize cumulative traffic, pedestrian, and access impacts and to maintain reasonable corridor operations throughout construction.

For the purposes of construction planning and traffic control development, the project corridor shall be divided into logical segments based on existing roadway geometry, traffic operations, access patterns, and land use characteristics. Each segment containing distinct geometric, operational, and access characteristics and shall be addressed separately in the Work Plan and Traffic Management Plan (TMP), including segment-specific phasing, traffic control layouts, pedestrian accommodations, access management, and mitigation measures.

The PERMITTEE shall propose work zone lengths or phasing limits in the Work Plan consistent with the identified corridor segments and demonstrate sufficient accommodation of traffic, pedestrians, businesses, residents, and emergency services. Any deviation from the standard phasing approach shall be subject to review and written approval by the DEPARTMENT.

- 5.24 Where construction activities or traffic control layouts affect normal roadway operations, temporary speed management measures may be implemented to enhance safety for workers, drivers, and pedestrians. Temporary reductions in the posted speed limit, including reductions to thirty (30) miles per hour or reductions of up to five (5) miles per hour below existing posted limits, may be proposed as part of the Traffic Management Plan (TMP) and Temporary Traffic Control Plans (TCPs), subject to DEPARTMENT approval.

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

The PERMITTEE shall bore or jack the road crossing.

The PERMITTEE shall, in the event of a failed bore path, immediately fill all voids by injecting an excavatable, flowable fill (sand slurry).

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

The PERMITTEE shall replace all paving and base and subbase removed with the following:

- Hot Mix Asphalt, Type II: Class A to match existing pavement thickness or 8 inches, whichever is lesser, in 2- to 3-inch lifts, with STE-1 tack coat between each pavement lift
- 2-inch Crushed Aggregate Base Course, D-1
- Select Material, Type A (36-inch min.)
- Bedding Material as defined by the Utility

The PERMITTEE shall replace Sidewalk materials removed with the following:

- 4-inch Concrete Sidewalk
- 4-inch Aggregate Base Course
- 24-inch Select Material, Type A
- Existing Embankment

The PERMITTEE shall cut the pavement with a pavement saw, cutting wheel, or other approved tool before excavation begins. Prior to paving, edges will be re-cut if requested by the DEPARTMENT's inspector.

The PERMITTEE shall tack the edges of the pavement cut with tack coating before placing the asphalt patch.

The PERMITTEE shall conduct a final grade inspection of that portion of the FACILITY under the road crossing before re-paving.

The PERMITTEE shall thoroughly and uniformly compact the asphalt concrete mixture to a density of 95% of the maximum specific gravity (MSG).

Asphalt concrete mixture that becomes contaminated with foreign material, is segregated, or is in any way determined to be defective will be removed and replaced at the PERMITTEE's expense.

The finished pavement surface will be tested after final rolling at selected locations using a 10-foot straightedge. Variations of more than 3/16 inch from the testing edge between any two contacts will be corrected.

The PERMITTEE shall pave the entire roadway for a minimum distance of 100 feet straddling the disturbance, if more than half of the roadway is disturbed.

The PERMITTEE agrees to pave the entire traffic lane if disturbed.

The PERMITTEE agrees to pave the full width of any traffic lane where any portion of that lane is disturbed.

The PERMITTEE shall schedule paving to be laid within 8-hours of completion of underground installation at crossing.

The PERMITTEE shall replace all damaged traffic markings in kind.

Maintain all roadways, pedestrian and bicycle facilities affected by the pavement removal in a smooth and passable condition at all times.

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 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 WARRANTY

Warrant and Warranty, for the purposes of this Utility Permit, shall mean the DEPARTMENT's concurrence block authority on any warranty release issued by the PERMITTEE. The DEPARTMENT's signatory authority is the Regional Utilities Engineer, phone: (907) 269-0644.

The PERMITTEE shall warrant the materials and workmanship of the road, and road right-of-way, to ensure completion of the construction, including the restoration of surfacing, slopes, slope treatment, drainage facilities, pathways, and right-of-way cleanup for the warranty period.

The DEPARTMENT will notify the PERMITTEE of any surface deformity. The PERMITTEE shall prepare a corrective action plan for review and approval by the DEPARTMENT. The corrective action plan shall include:

- A. A methodology to determine if the pavement surface deformation is due to subsurface forces, such as subsidence or drainage, and;
- B. A proposal for correcting the surface variation.

The PERMITTEE shall remedy promptly, without cost to the DEPARTMENT, any and all defects in materials and workmanship resulting from defective materials and workmanship. If the defect, in the opinion of the DEPARTMENT, is of such a nature as to demand immediate repair, the DEPARTMENT shall have the right to take corrective action and the cost thereof shall be borne by the PERMITTEE.

The PERMITTEE or his designee and the DEPARTMENT shall perform construction inspection of the road. The PERMITTEE or his designee shall handle any coordination with respect to inspection activities involving both the DEPARTMENT and PERMITTEE.

Upon completion of the project and restoration of the DEPARTMENT's right-of-way, the PERMITTEE shall request an inspection by the DEPARTMENT for determination of acceptance.

The Warranty period shall mean a period of two (2) years from the acceptance of the road. The Warranty shall remain in effect until final inspection and acceptance by the DEPARTMENT.

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 _____ day of _____, _____

Dated this _____ day of _____, _____

THE COMPANY OR PERMITTEE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

Name of Company

CENTRAL REGION

By: _____

By: _____

Title: _____

Title: **Regional Utilities Engineer**

Attest: _____

Title: _____

ACKNOWLEDGEMENT OF COMPANY OR PERMITTEE

STATE OF ALASKA
3RD JUDICIAL DISTRICT

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

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: _____

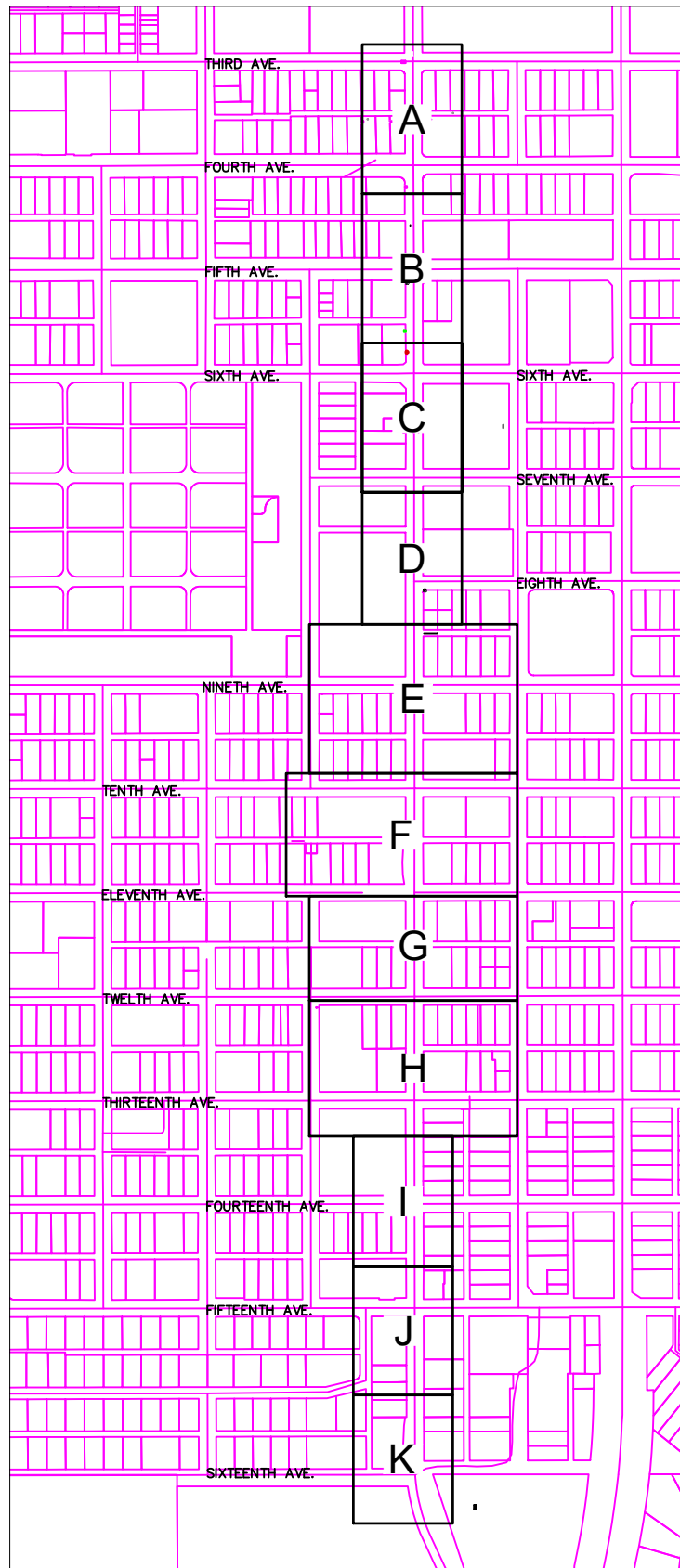
A Notary Public

GAMBELL STREET: OH TO UG T-21 PROJECT

CONSTRUCTION W.O. P1900043

ANY ML&P REFERENCE SHALL REFER TO CHUGACH ELECTRIC (CEA)

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 1 of 46



VICINITY MAP

SHEET INDEX	
NO.	TITLE
1	COVER AND NOTES
2	TYPICAL SECTION & BORE PROFILES
3	TYPICAL BORE PROFILES & TRENCH SECTION
4	ELECTRICAL PLAN A
5	ELECTRICAL PLAN B
6	RIGHT OF WAY B
7	ELECTRICAL PLAN C - PROPOSED
8	ELECTRICAL PLAN C - RETIRED
9	RIGHT OF WAY C
10	ELECTRICAL PLAN D
11	RIGHT OF WAY D

12	ELECTRICAL PLAN E - PROPOSED
13	ELECTRICAL PLAN E - RETIRED
14	RIGHT OF WAY E
15	ELECTRICAL PLAN F - PROPOSED
16	ELECTRICAL PLAN F - RETIRED
17	RIGHT OF WAY F
18	ELECTRICAL PLAN G - PROPOSED
19	ELECTRICAL PLAN G - RETIRED
20	RIGHT OF WAY G
21	ELECTRICAL PLAN H - PROPOSED
22	ELECTRICAL PLAN H - RETIRED
23	RIGHT OF WAY H
24	ELECTRICAL PLAN I
25	RIGHT OF WAY I

26	ELECTRICAL PLAN J
27	RIGHT OF WAY J
28	ELECTRICAL PLAN K
29	EXISTING 12.47KV A - PCD
30	EXISTING 12.47KV B - PCD
31	EXISTING 34.5KV - PCD
32	PROPOSED 12.47KV A - PCD
33	PROPOSED 12.47KV B - PCD
34	PROPOSED 34.5KV - PCD
35	CONDUIT DIAGRAM A & B
36	CONDUIT DIAGRAM C & D
37	VAULT DETAIL 1231-84K
38	VAULT DETAIL 1231-84J
39	VAULT DETAIL 1231-82G

40	NEW VAULT DETAIL 7706
41	VAULT DETAIL 1331-78E
42	VAULT DETAIL 1331-86L
43	NEW VAULT DETAIL 7336
44	NEW VAULT DETAIL 7407
45	NEW VAULT DETAIL 7380
46	VAULT DETAIL 1431-87X

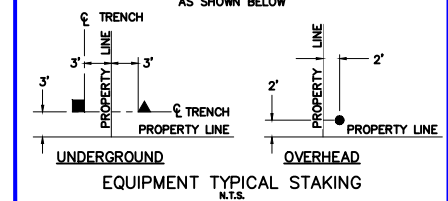
VICINITY KEY MAP
N.T.S.

LEGEND		
NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW



EQUIPMENT TYPICAL STAKING
N.T.S.

CONSTRUCTION OF FACILITIES WILL NOT VARY FROM DESIGN DOCUMENTS AND DRAWINGS WITHOUT PRIOR APPROVAL FROM THE ENGINEER. ANY DISCREPANCIES FOUND AMONG THE DESIGN DOCUMENTS AND DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE (NEC) AND ALL MUNICIPAL, STATE AND FEDERAL REGULATIONS. QUESTIONS CONCERNING APPLICATION OF THE NEC SHOULD BE ADDRESSED TO THE ENGINEER. THE ENGINEER'S RESPONSIBILITY DOES NOT EXTEND TO THE MATERIAL AND CONSTRUCTION STANDARDS REFERENCED ON THE DESIGN DOCUMENTS AND DRAWINGS.

PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP



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

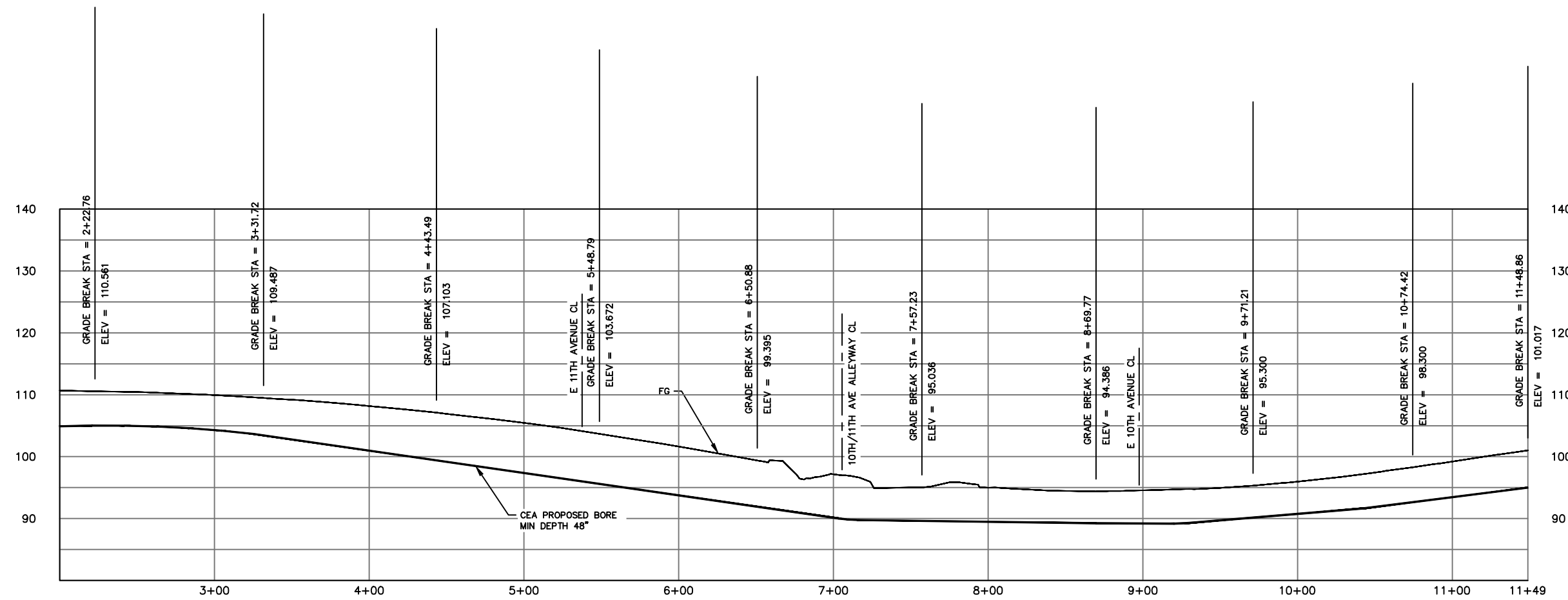
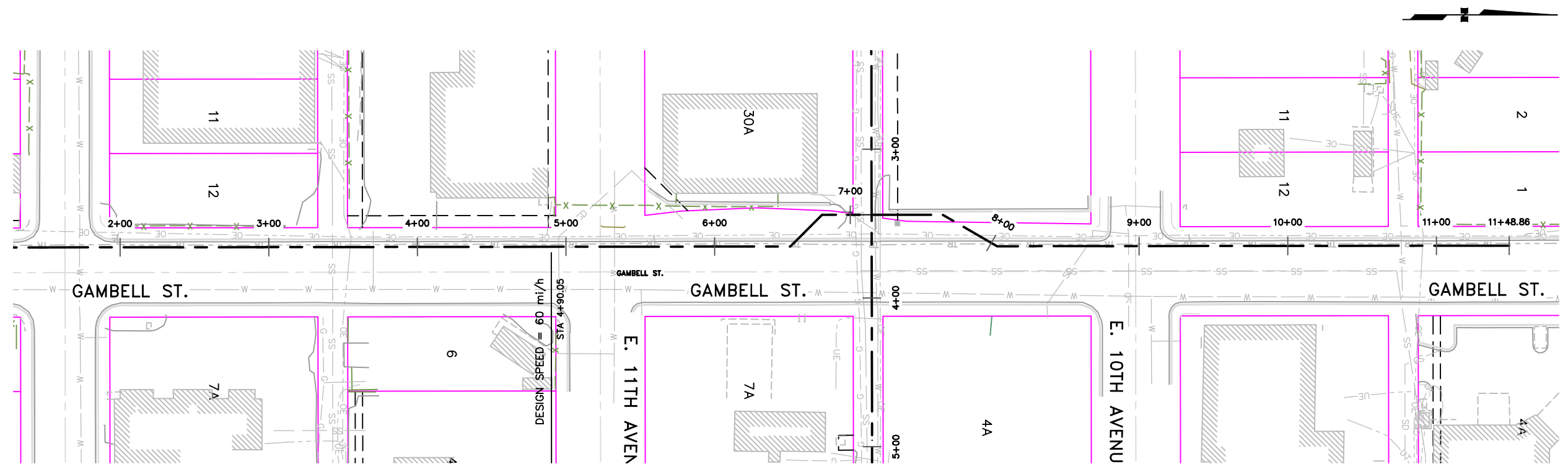
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GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 COVER AND NOTES

W.O. NO.: **P1900043**

P1900043 FINAL.dwg

PAGE 1 OF 46



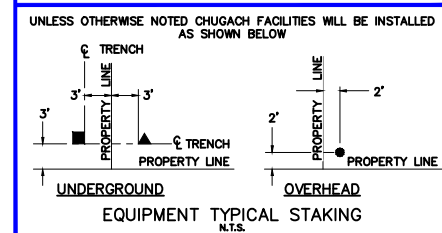
TYPICAL BORE PROFILE FOR ALL NORTH - SOUTH BORES ON GAMBELL STREET
 HOR: 1" = 20' / VER: 1" = 5'

VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



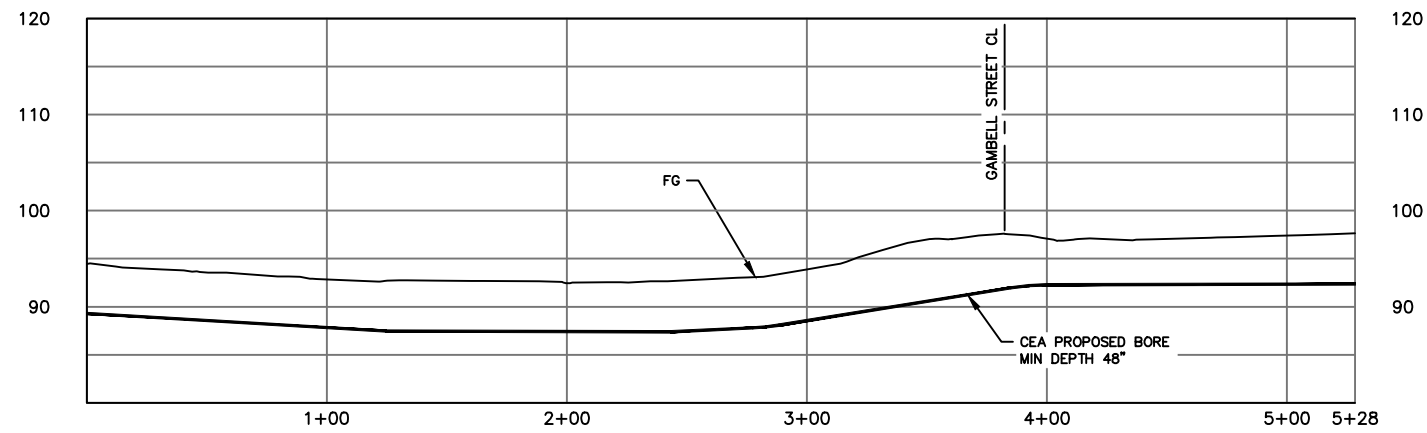
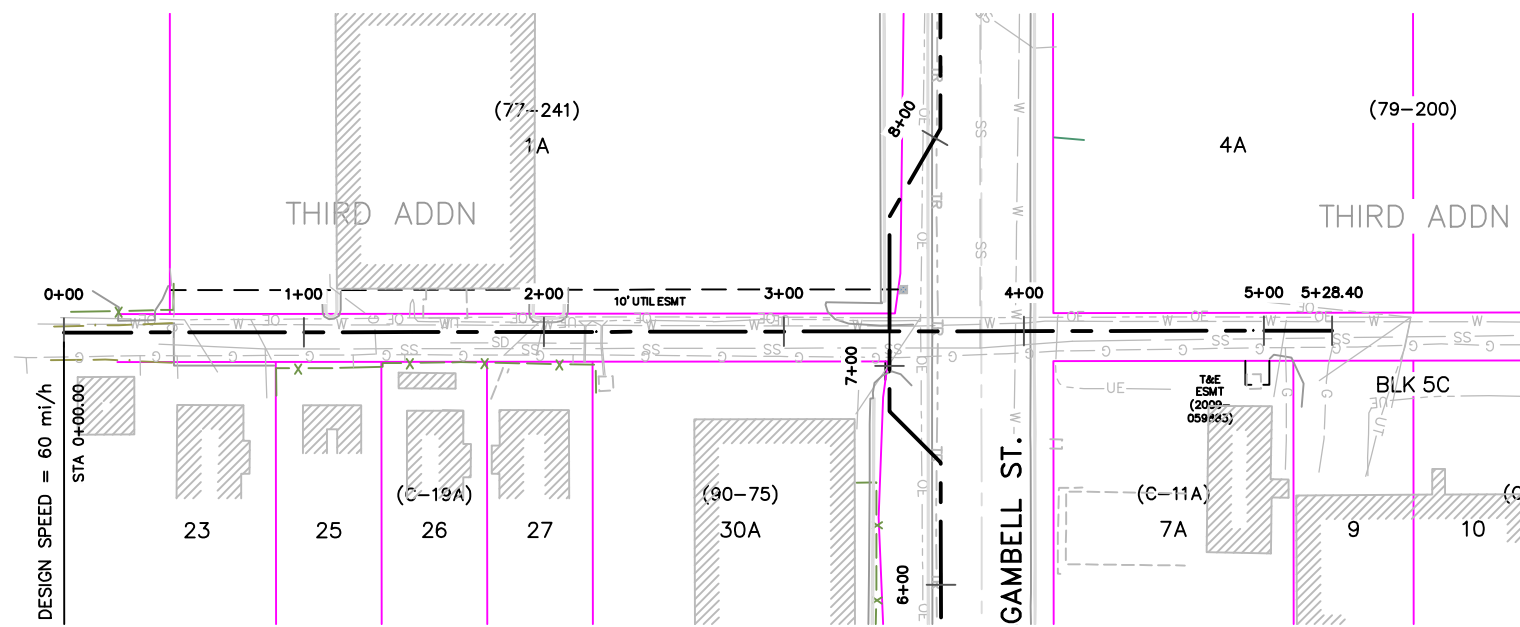
PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
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1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

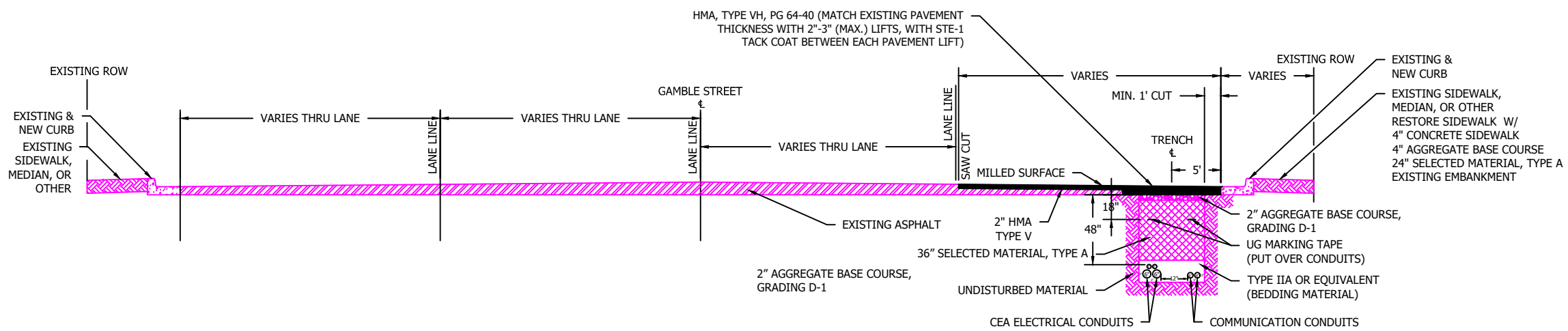


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 Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT
GRIDS:	1231D, 1331B, 1331D, 1431
FEEDER:	S6F7, S10F6, S3F112 / BREAKER 930
TYPICAL SECTION & BORE PROFILES	
W.O. NO.:	P1900043
P1900043 FINAL.dwg	
PAGE 2 OF 46	



TYPICAL BORE PROFILE FOR ALL EAST - WEST GAMBELL STREET CROSSINGS
 HOR: 1" = 20' / VER: 1" = 5'



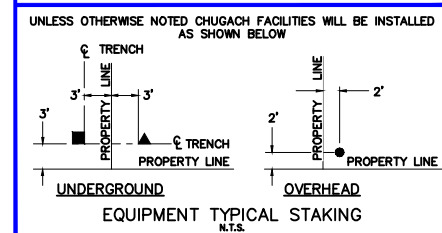
TYPICAL SECTION FOR BORE/TRENCH AND CONDUIT PLACEMENT ON GAMBELL STREET
 N.T.S.

VICINITY KEY MAP
 N.T.S.

NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1" OH XFMR
		DELTA OH XFMR
		3" OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1" U.G. PRIMARY
		2" U.G. PRIMARY
		3" U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1" O.H. PRIMARY
		2" O.H. PRIMARY
		3" O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



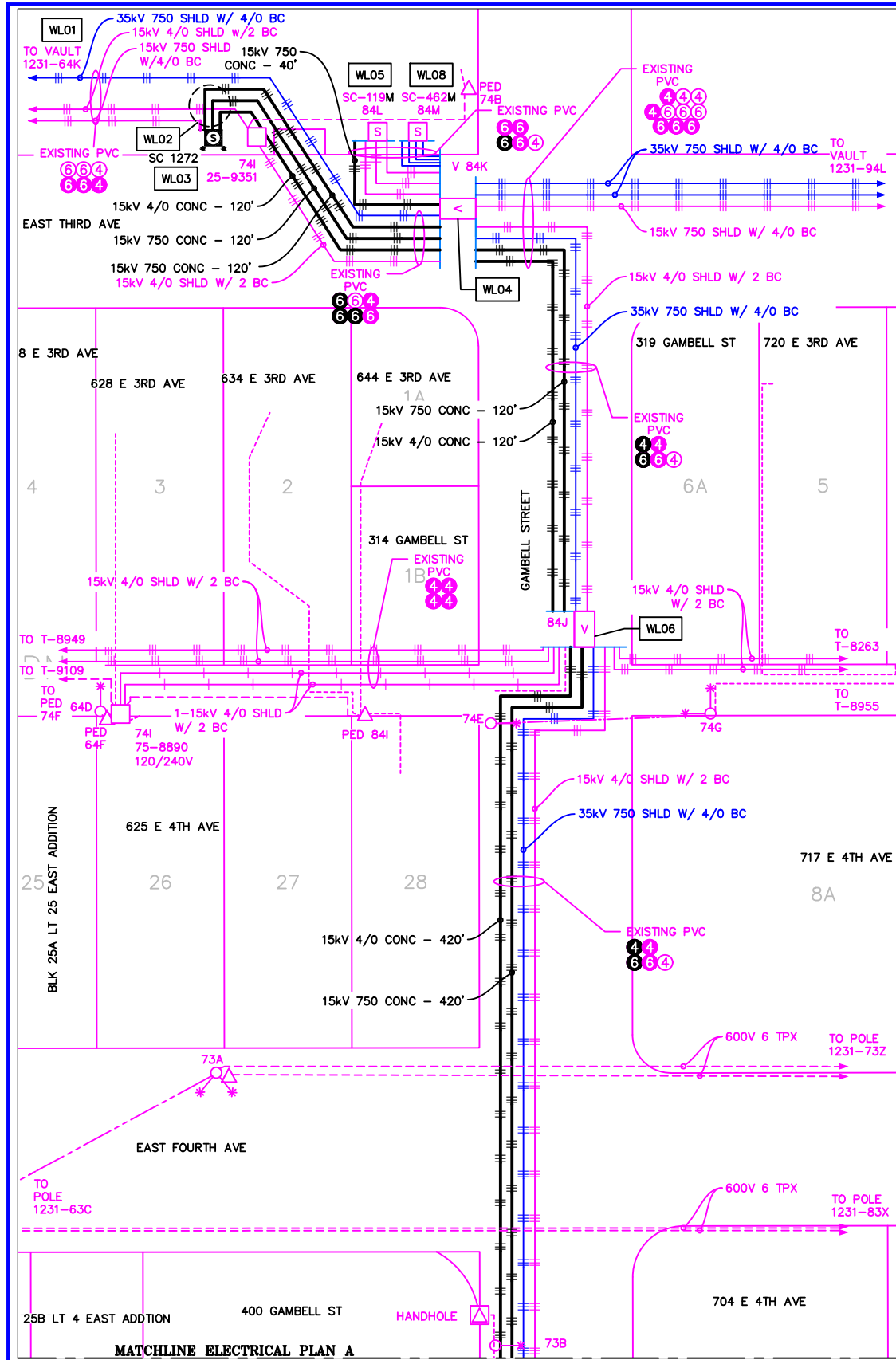
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DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
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1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

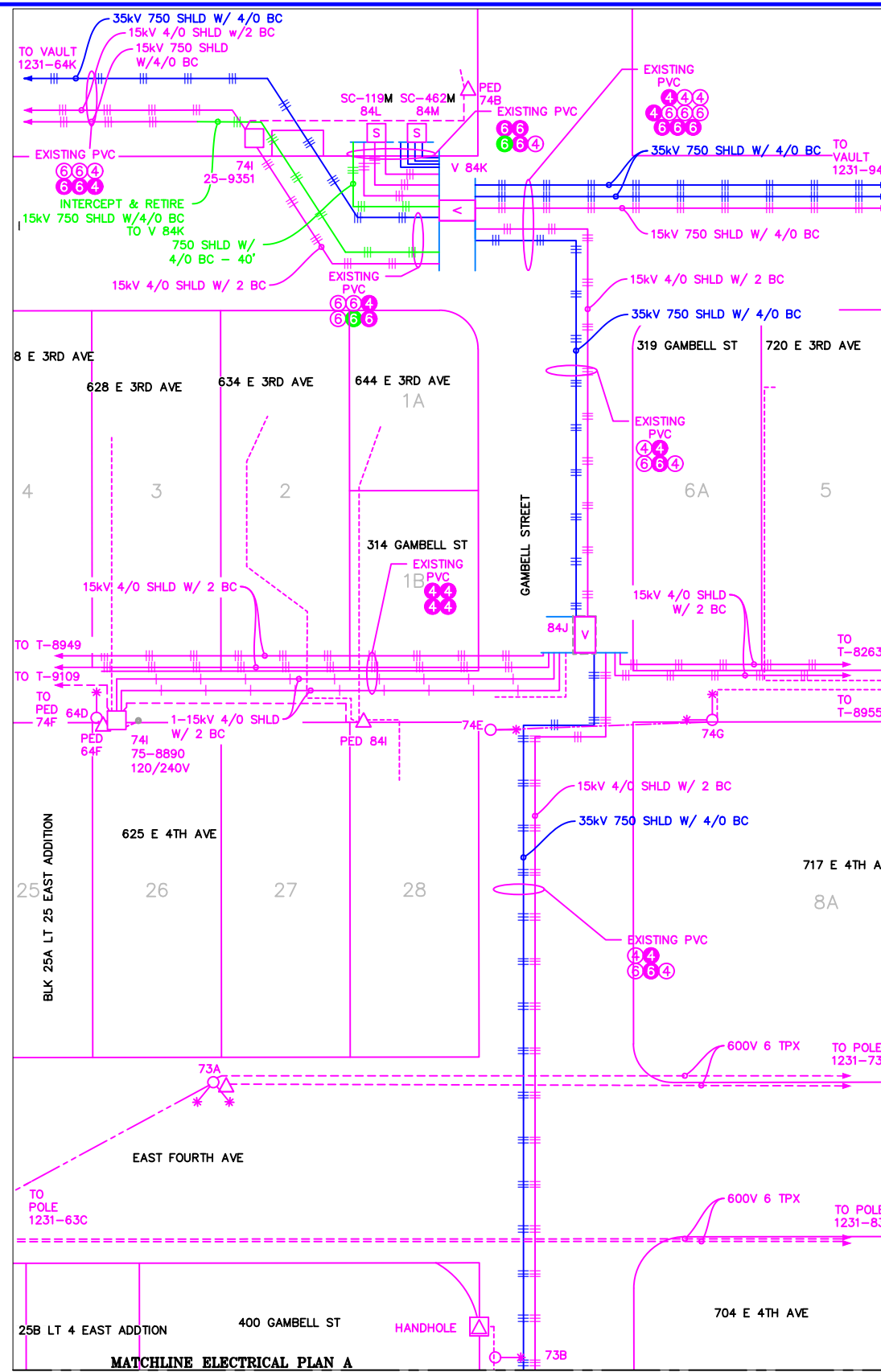


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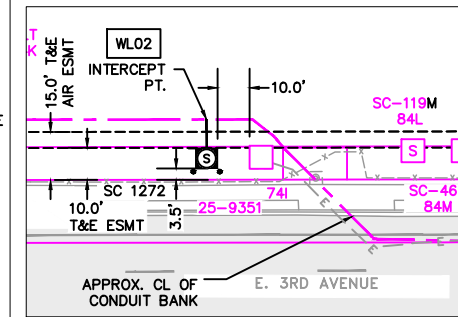
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GRIDS:	1231D, 1331B, 1331D, 1431
FEEDER:	S6F7, S10F6, S3F112 / BREAKER 930
TITLE:	TYPICAL BORE PROFILES & TRENCH SECTION
W.O. NO.:	P1900043
PAGE:	3 OF 46



ELECTRICAL PLAN A - PROPOSED
 1"=60'



ELECTRICAL PLAN A - RETIRED
 1"=60'



RIGHT OF WAY PLAN A
 1"=60'

VICINITY KEY MAP N.T.S.

NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[○]	[○]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊥]	[⊥]	1Ø OH XFMR
[⊥⊥]	[⊥⊥]	DELTA OH XFMR
[⊥⊥⊥]	[⊥⊥⊥]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[-//]	[-//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[]	[]	1Ø U.G. PRIMARY
[]	[]	2Ø U.G. PRIMARY
[]	[]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Solid Blue Line]	NEW
[Dashed Blue Line]	REFERENCE
[Solid Green Line]	EXISTING
[Dashed Green Line]	RETIRED
[Solid Red Line]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

EQUIPMENT TYPICAL STAKING N.T.S.

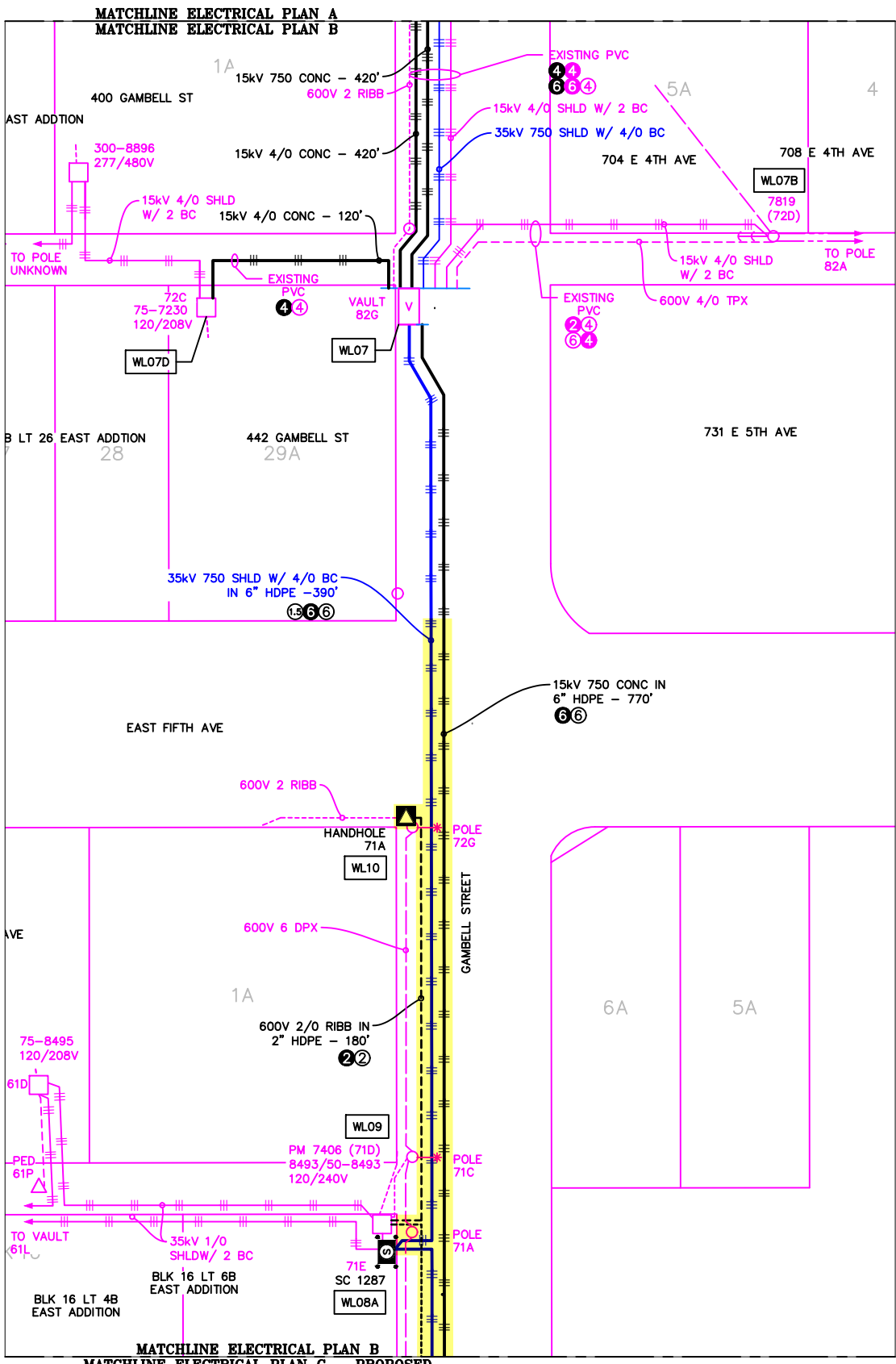
PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

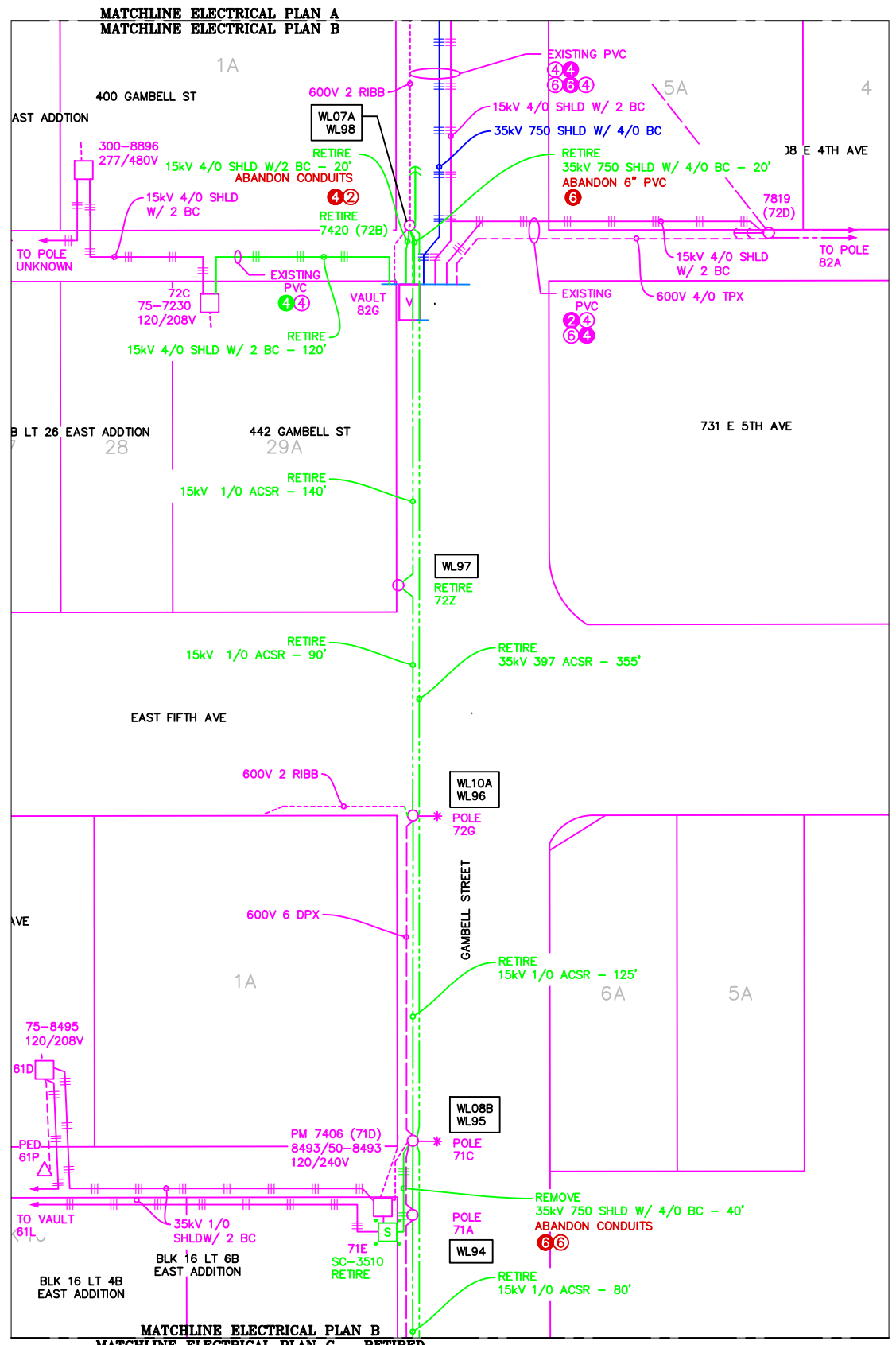
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431		
	FEEDER: S6F7, S10F6, S3F112 / BREAKER 930		
	ELECTRICAL PLAN A		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
			PAGE 4 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 5 of 46



ELECTRICAL PLAN B - PROPOSED
 1"=60'



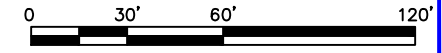
ELECTRICAL PLAN B - RETIRED
 1"=60'



LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[○]	[○]	PEDESTAL
[●]	[●]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊥]	[⊥]	1Ø OH XFMR
[⊥⊥]	[⊥⊥]	DELTA OH XFMR
[⊥⊥⊥]	[⊥⊥⊥]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//]	[--//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[]	[]	1Ø U.G. PRIMARY
[]	[]	2Ø U.G. PRIMARY
[]	[]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Black Line]	NEW
[Grey Line]	REFERENCE
[Pink Line]	EXISTING
[Green Line]	RETIRE
[Red Line]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

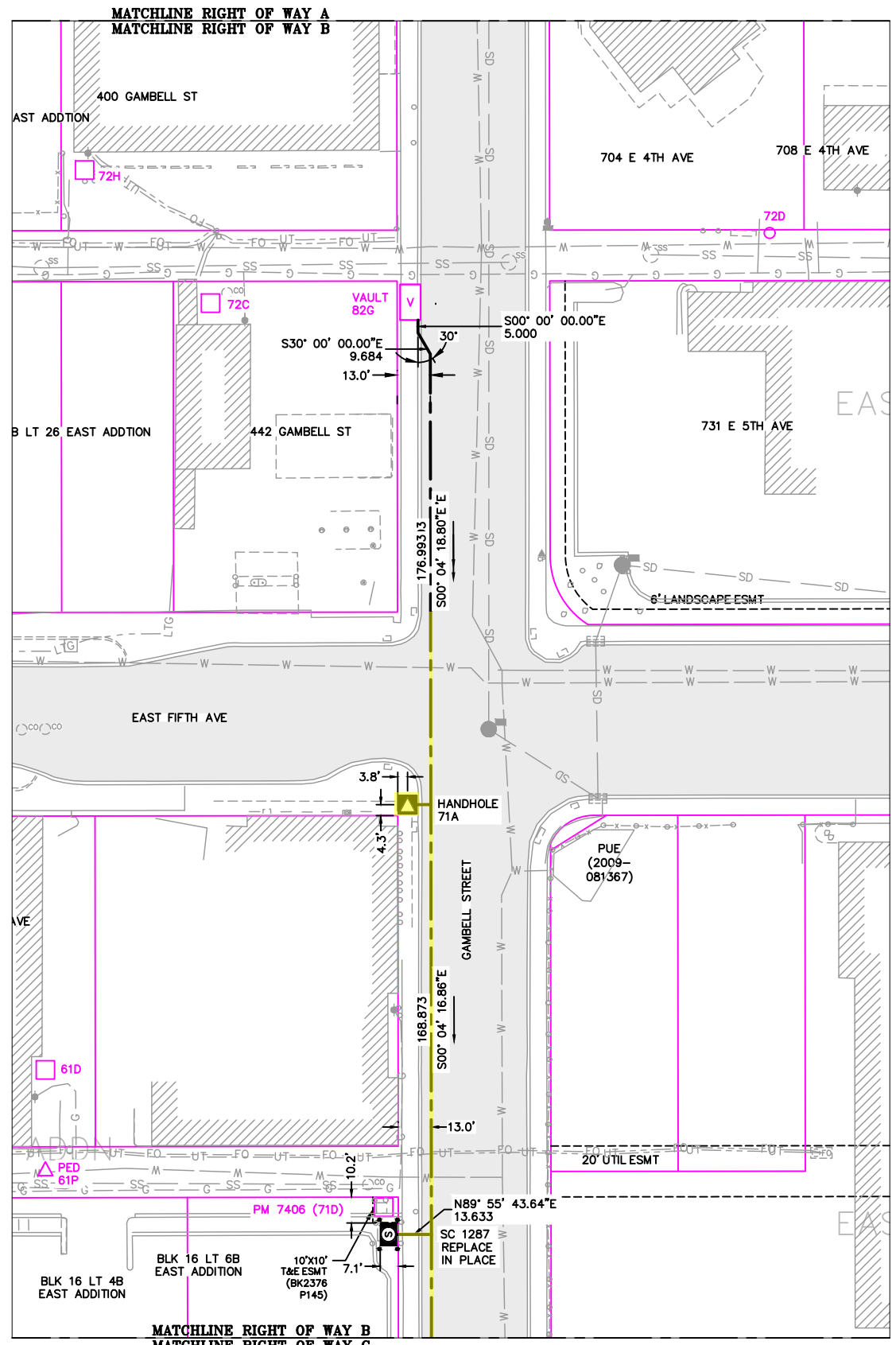
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GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN B

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 5 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 6 of 46

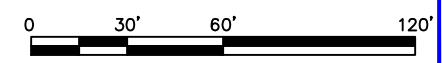
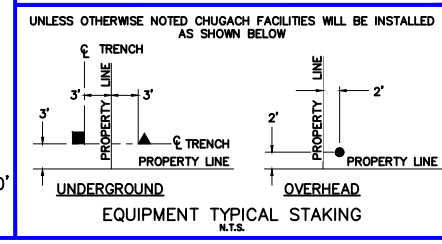


RIGHT OF WAY B
 1"=60'



NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

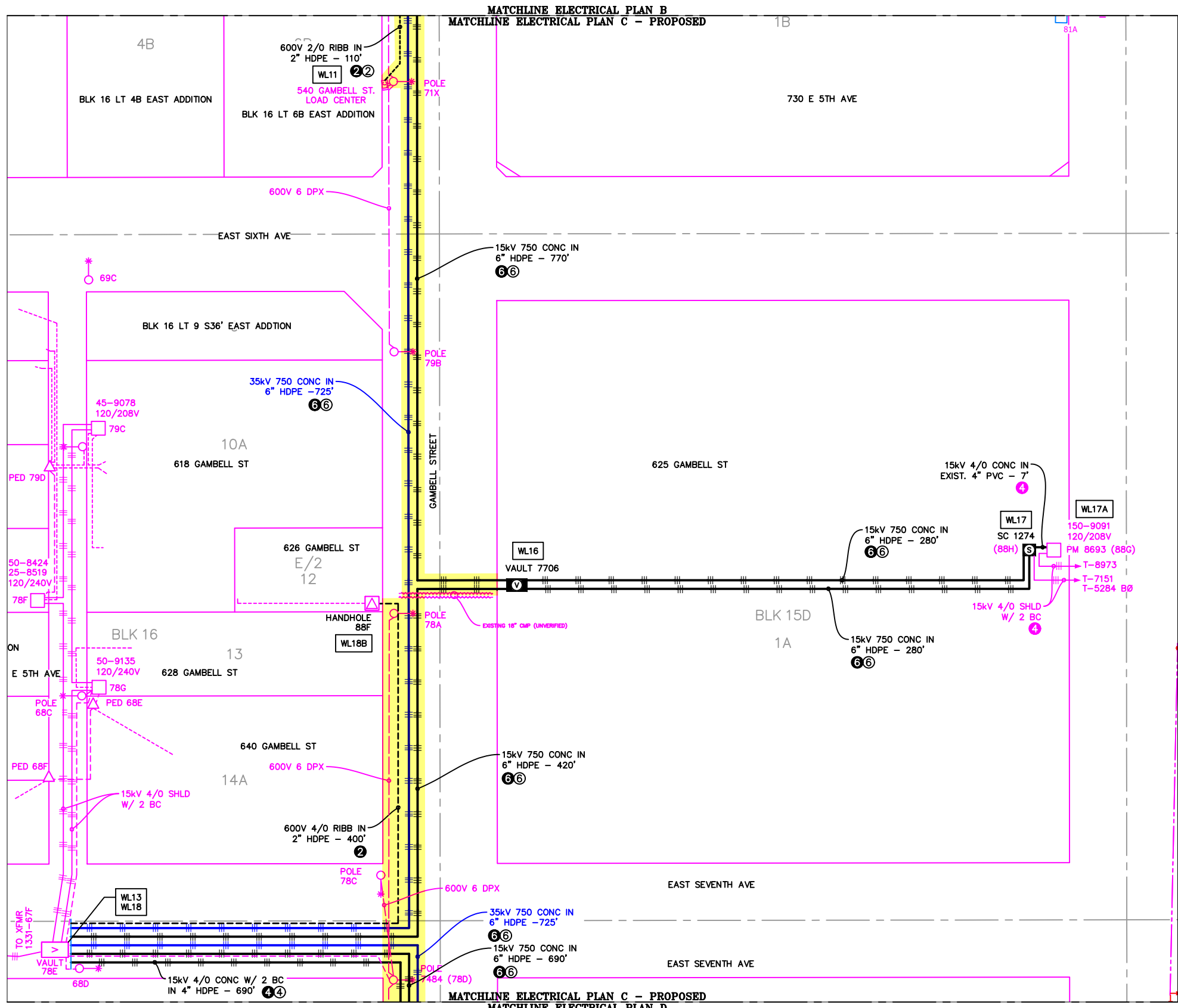
ENG. STAMP



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

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431		
	FEEDER: S6F7, S10F6, S3F112 / BREAKER 930		
	RSHHJETOFTIWARIS B		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
	PAGE 6 OF 46		

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 7 of 46

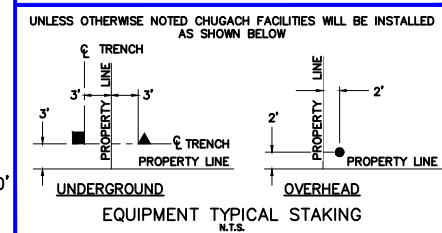


ELECTRICAL PLAN C - PROPOSED
 1"=60'

VICINITY KEY MAP
 N.T.S.

LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[H]	[H]	HANDHOLE
[PE]	[PE]	PEDESTAL
[N]	[N]	NON-CEA POLE
[PO]	[PO]	POLE
[L]	[L]	LIGHT
[DG]	[DG]	DOWN GUY
[FU]	[FU]	FUSE
[SP]	[SP]	SPLICE POINT
[1Ø]	[1Ø]	1Ø OH XFMR
[Δ]	[Δ]	DELTA OH XFMR
[3Ø]	[3Ø]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[O.H.]	[O.H.]	O.H. XMSSN
[U.G.]	[U.G.]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[1Ø U.G.]	[1Ø U.G.]	1Ø U.G. PRIMARY
[2Ø U.G.]	[2Ø U.G.]	2Ø U.G. PRIMARY
[3Ø U.G.]	[3Ø U.G.]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Solid Black]	NEW
[Dashed Black]	REFERENCE
[Solid Pink]	EXISTING
[Solid Green]	RETIRE
[Solid Red]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

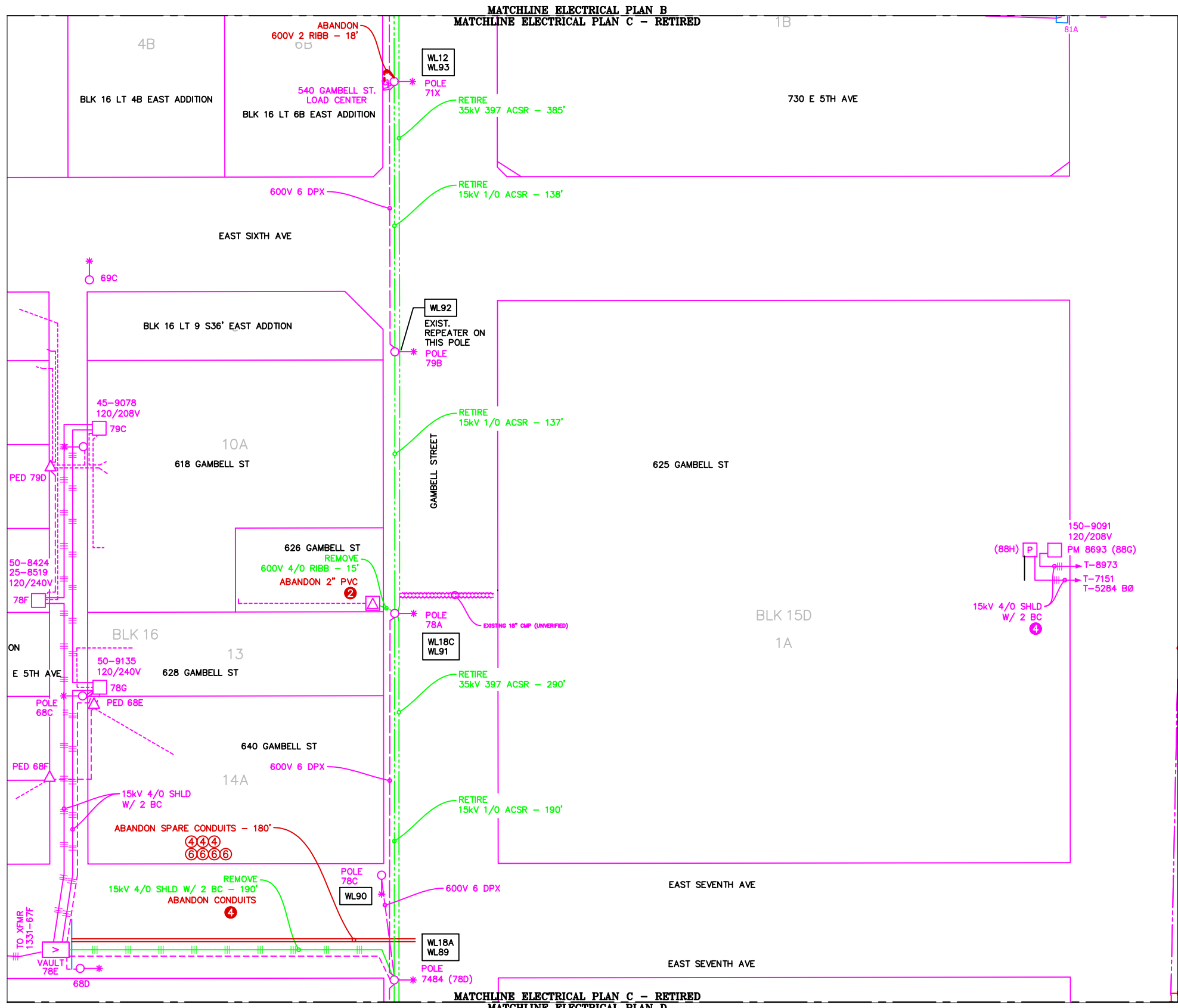
ENG. STAMP



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 Anchorage, Alaska 99519-6300

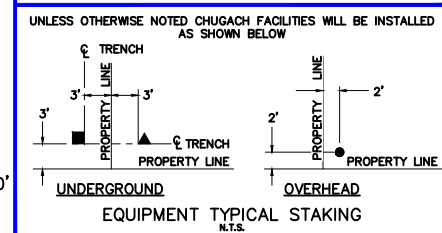
DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT
GRIDS:	1231D, 1331B, 1331D, 1431
FEEDER:	S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN C - PROPOSED	
W.O. NO.:	P1900043
P1900043 FINAL.dwg	
PAGE 7 OF 46	

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 8 of 46

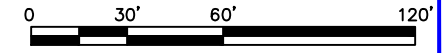


LEGEND		
NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[○]	[○]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌒]	[⌒]	1Ø OH XFMR
[⌒⌒]	[⌒⌒]	DELTA OH XFMR
[⌒⌒⌒]	[⌒⌒⌒]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//--]	[--//--]	U.G. XMSSN
[X]	[X]	SPAN GUY
[— —]	[— —]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Solid Blue]	NEW
[Solid Green]	REFERENCE
[Solid Red]	EXISTING
[Dashed Green]	RETIRE
[Dashed Red]	ABANDON



ELECTRICAL PLAN C - RETIRED
 1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

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

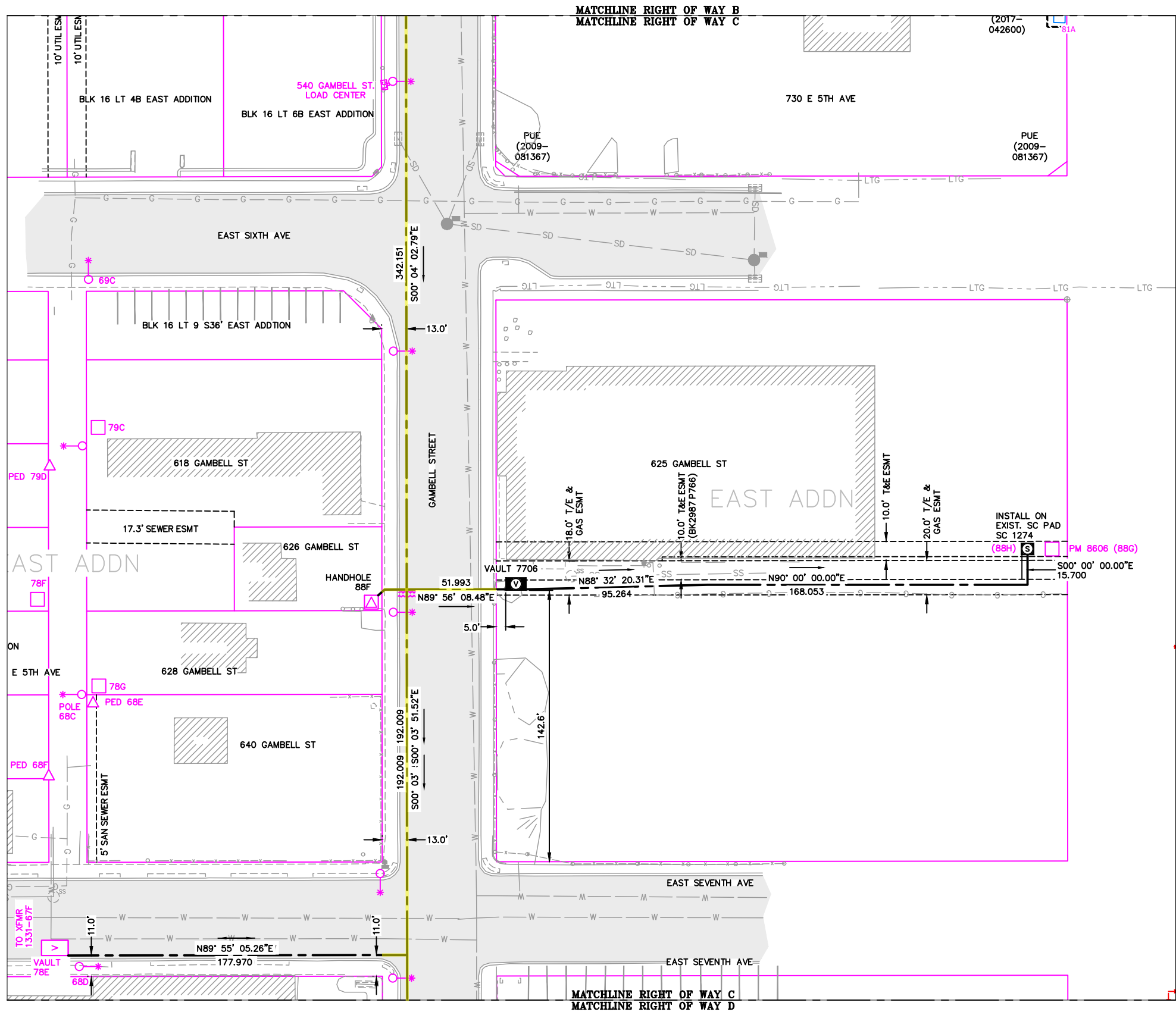
DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN C - RETIRED

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 8 OF 46

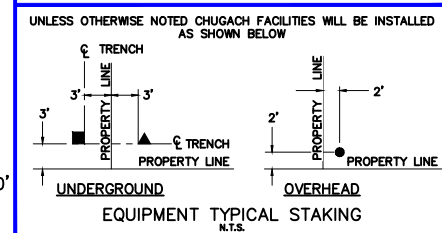
Permit No: 1-134200-25-130
Lat: 61.21263800
Long: -149.87103100
Date: 04/21/2026
Page 9 of 46



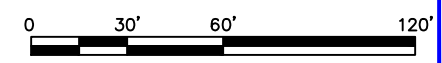
VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[●]	[●]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[○]	[○]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊥]	[⊥]	1Ø OH XFMR
[⊥⊥]	[⊥⊥]	DELTA OH XFMR
[⊥⊥⊥]	[⊥⊥⊥]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[-/-]	[-/-]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[]	[]	1Ø U.G. PRIMARY
[]	[]	2Ø U.G. PRIMARY
[]	[]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Solid Black]	NEW
[Dashed Black]	REFERENCE
[Solid Pink]	EXISTING
[Solid Green]	RETIRE
[Solid Red]	ABANDON



RIGHT OF WAY C
1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

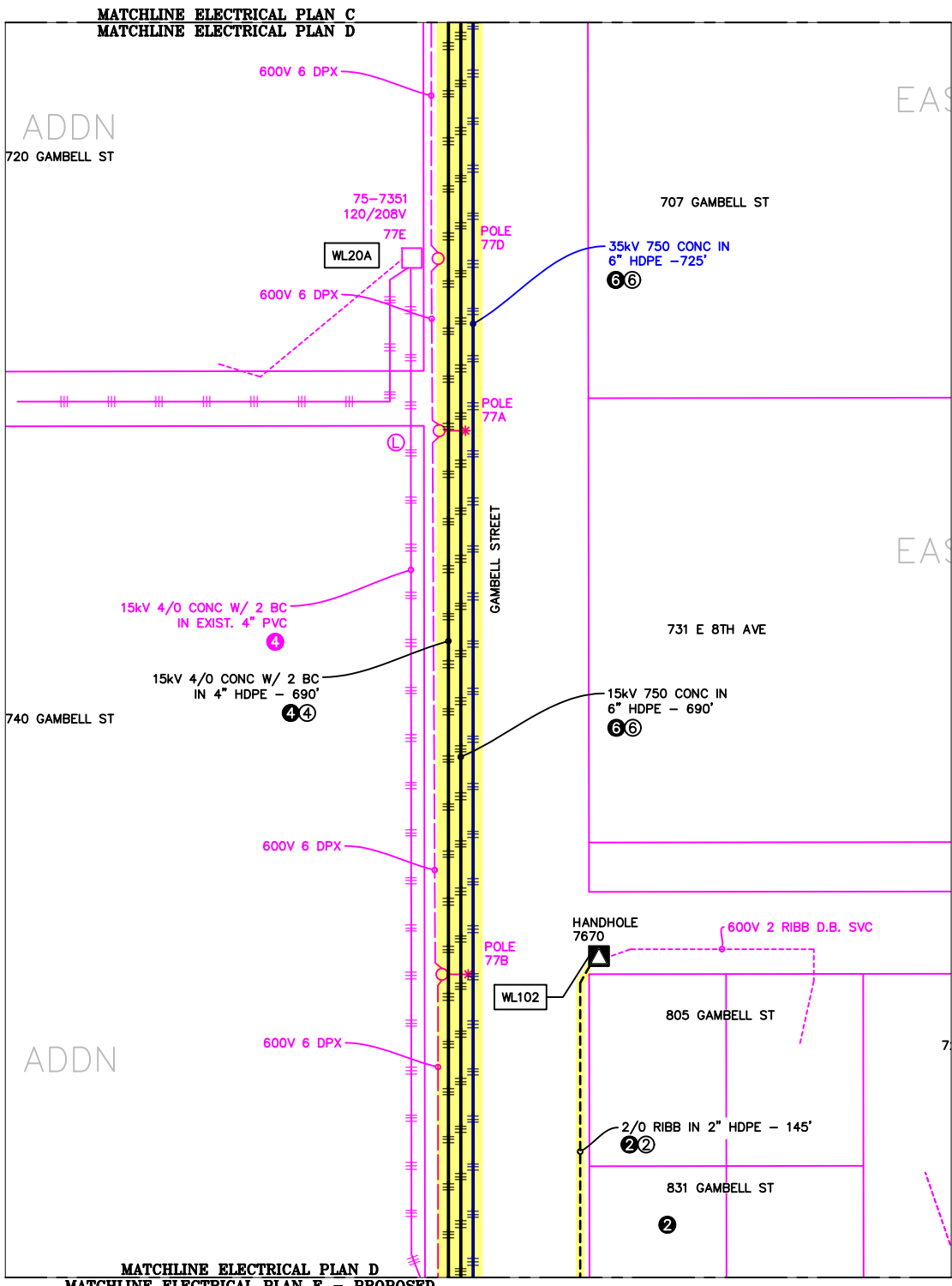
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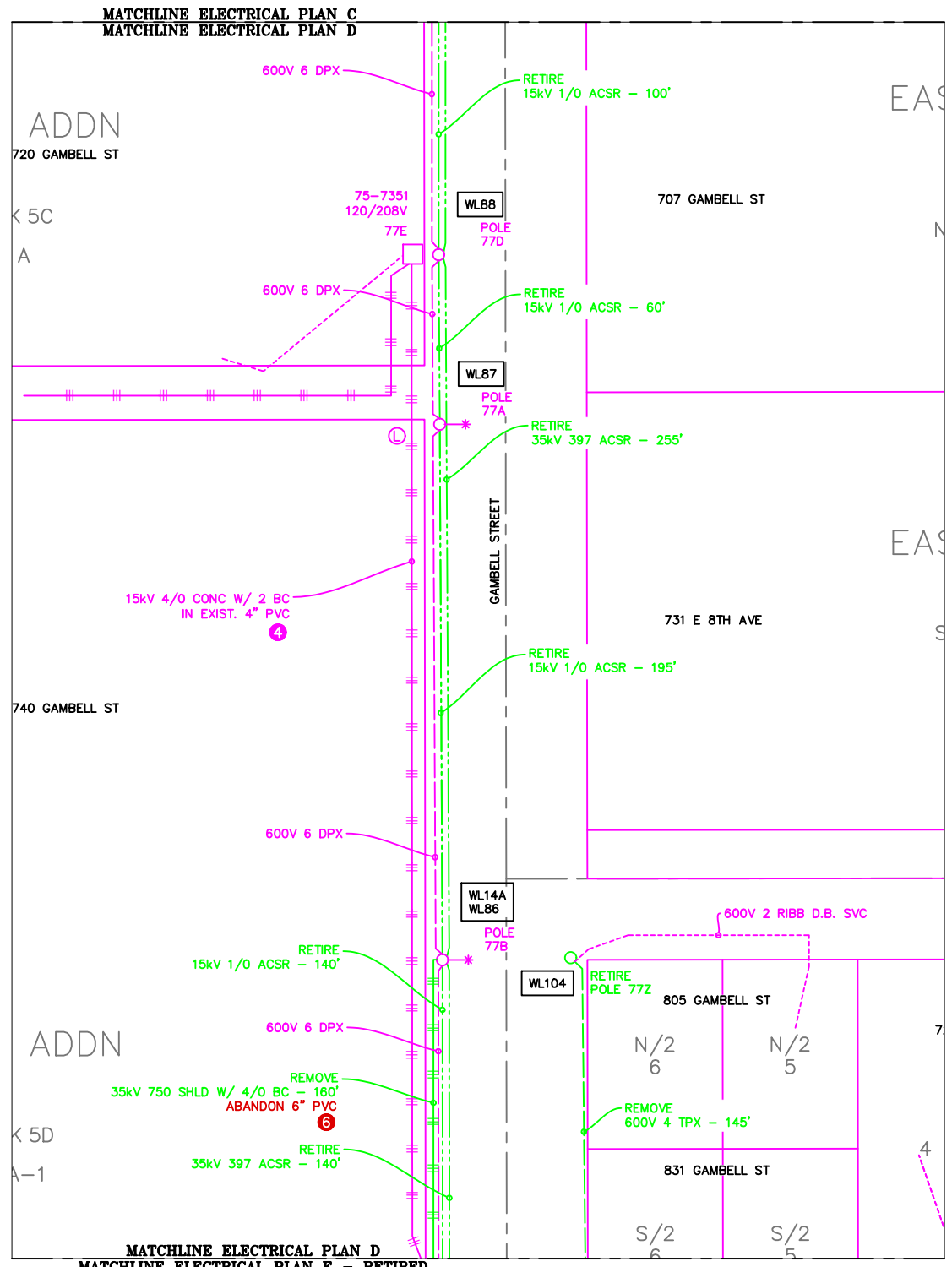
Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT	
GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 RIGHT OF WAY C	
W.O. NO.:	P1900043
P1900043 FINAL.dwg	
PAGE 9 OF 46	

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 10 of 46



ELECTRICAL PLAN D - PROPOSED
 1"=60'

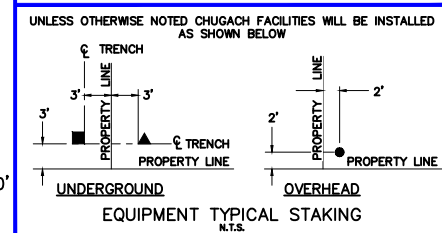


ELECTRICAL PLAN D - RETIRED
 1"=60'



LEGEND		
NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[⊗]	[⊗]	PEDESTAL
[●]	[●]	NON-CEA POLE
[●]	[○]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊕]	[⊕]	1Ø OH XFMR
[⊕⊕]	[⊕⊕]	DELTA OH XFMR
[⊕⊕⊕]	[⊕⊕⊕]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//]	[--//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[]	[]	1Ø U.G. PRIMARY
[]	[]	2Ø U.G. PRIMARY
[]	[]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Solid Black]	NEW
[Dashed Black]	REFERENCE
[Solid Pink]	EXISTING
[Solid Green]	RETIRE
[Solid Red]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

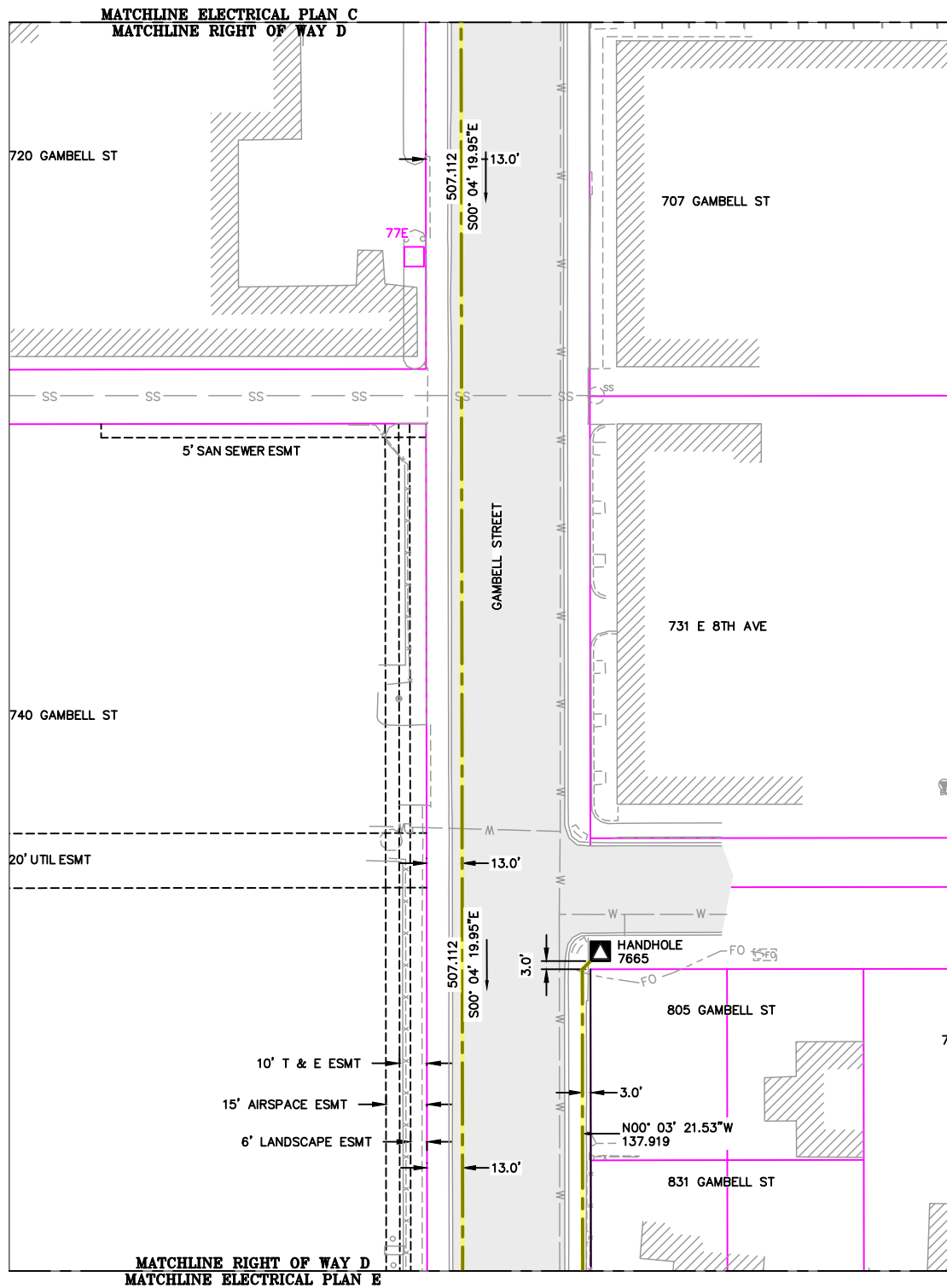
DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 ELECTRICAL PLAN D

W.O. NO.: P1900043

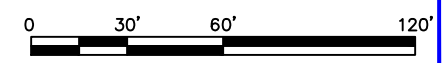
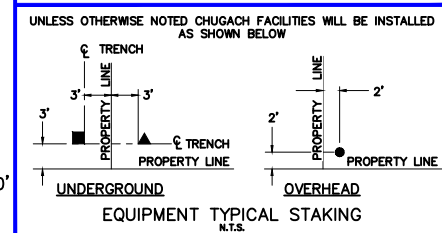
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 PAGE 10 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 11 of 46



NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND	
	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



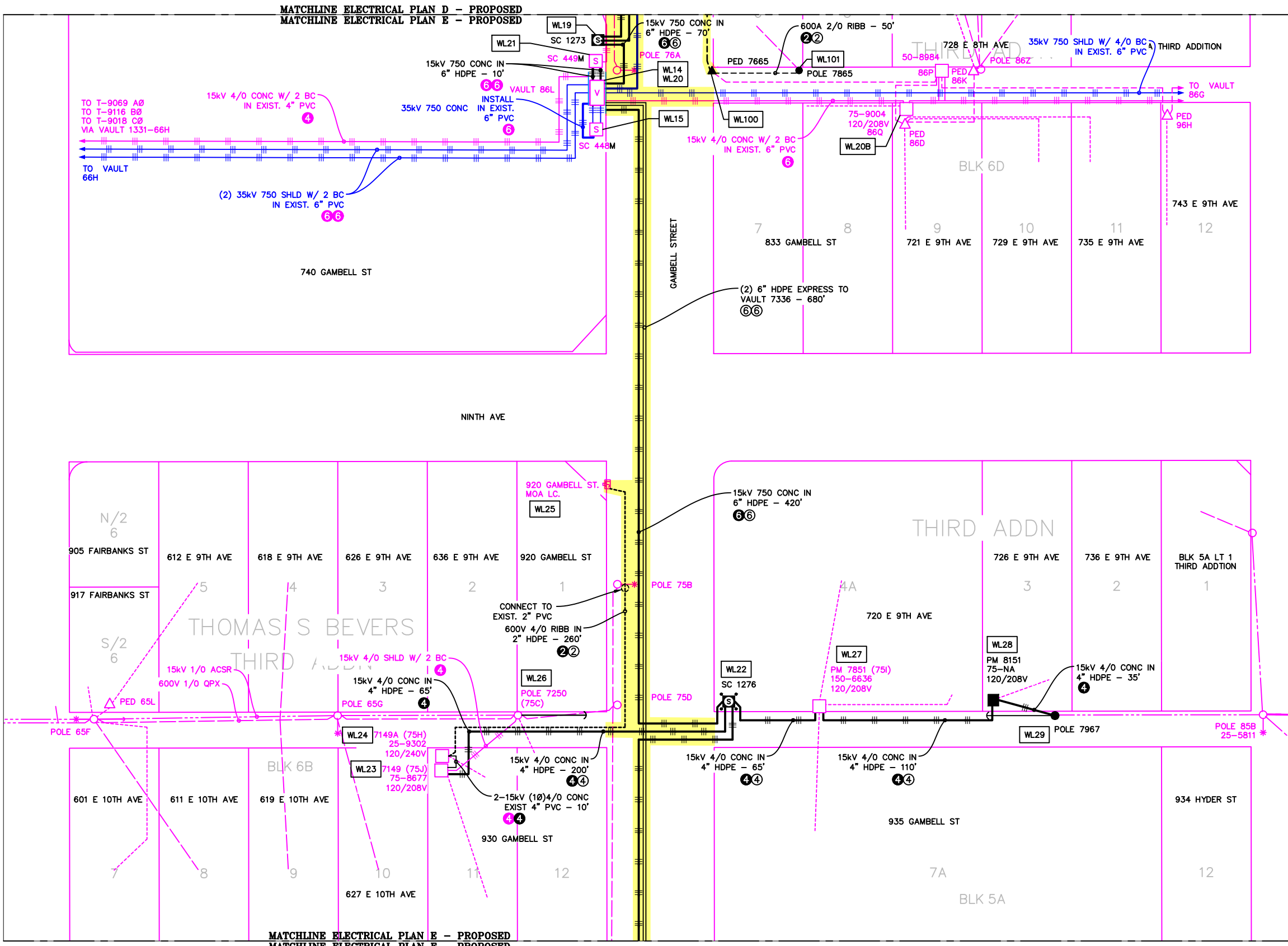
PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP



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

DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT	
GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 RIGHT OF WAY D	
W.O. NO.:	P1900043
P1900043 FINAL.dwg	
PAGE 11 OF 46	

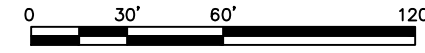
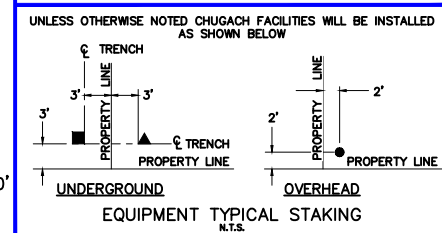


ELECTRICAL PLAN E - PROPOSED
 1"=60'



NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		Δ OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND	
	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

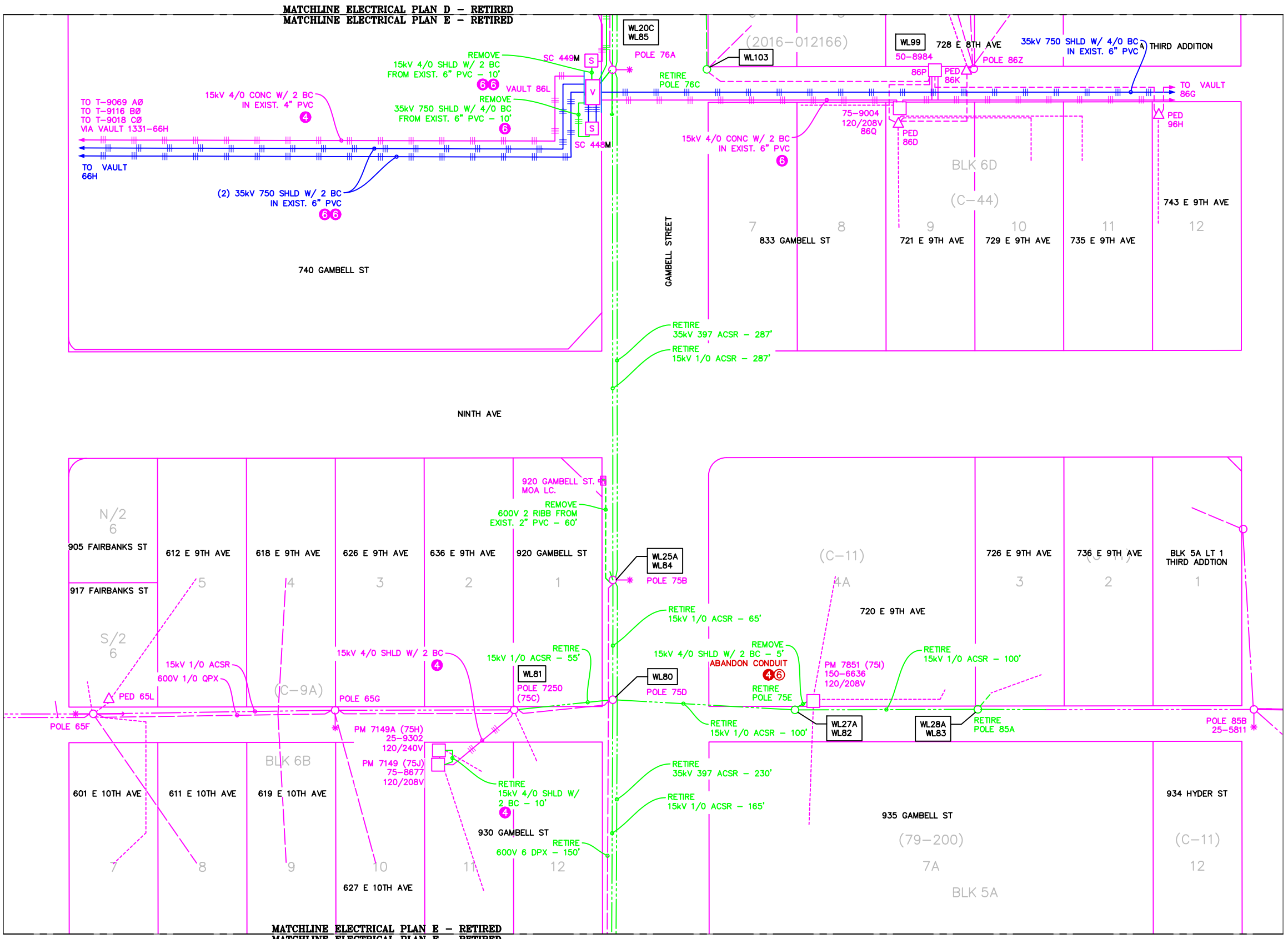
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN E - PROPOSED

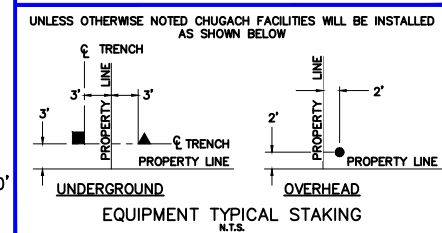
W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 12 OF 46

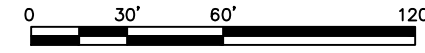


NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON



ELECTRICAL PLAN E - RETIRED
 1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

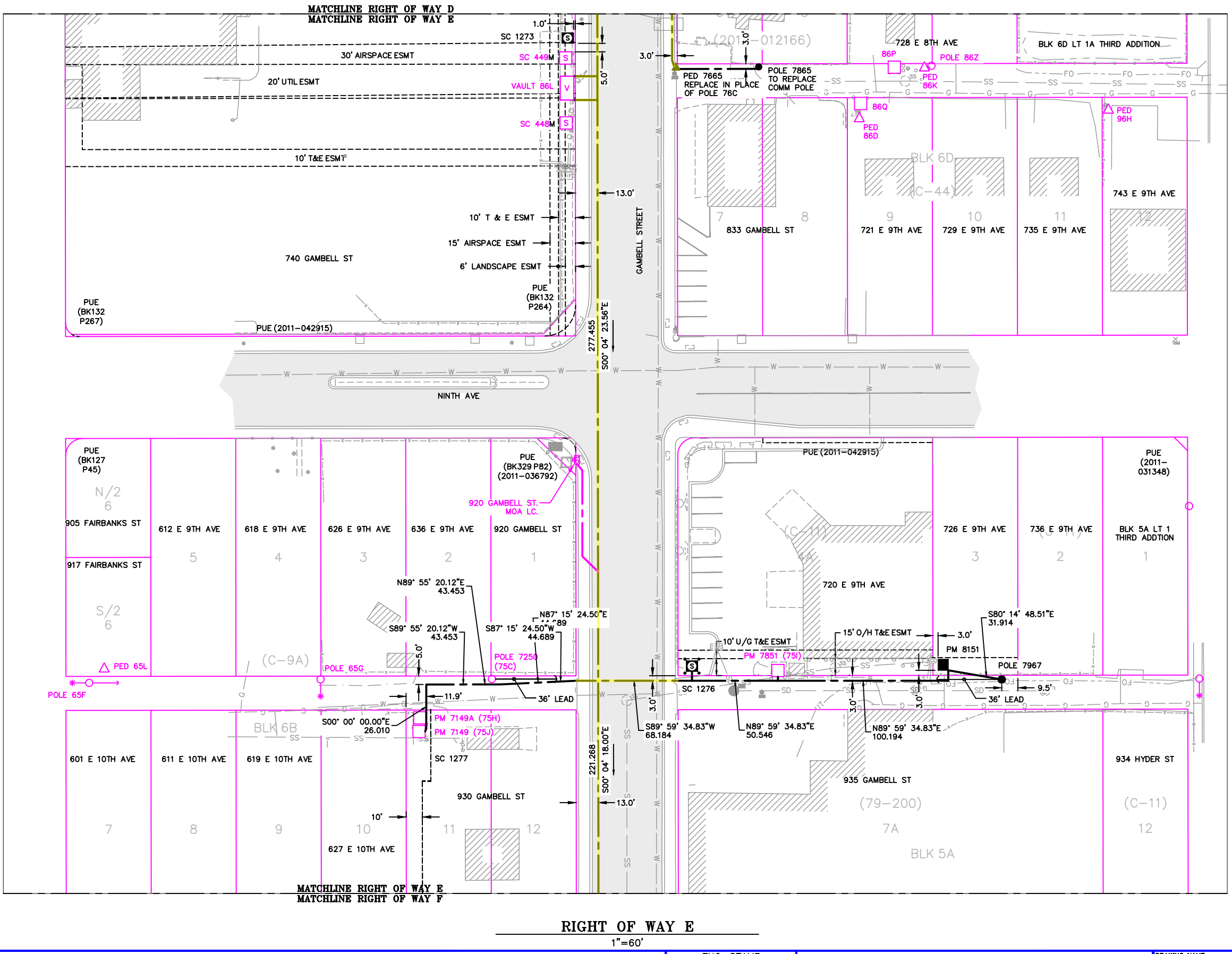
DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN E - RETIRED

W.O. NO.: **P1900043**

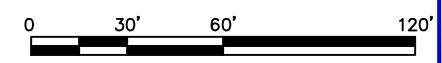
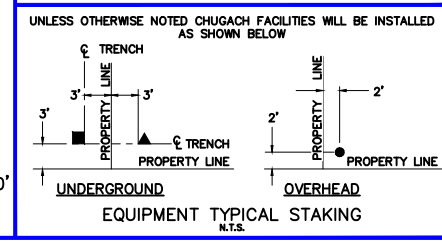
P1900043 FINAL.dwg
 PAGE 13 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 14 of 46



NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. # P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

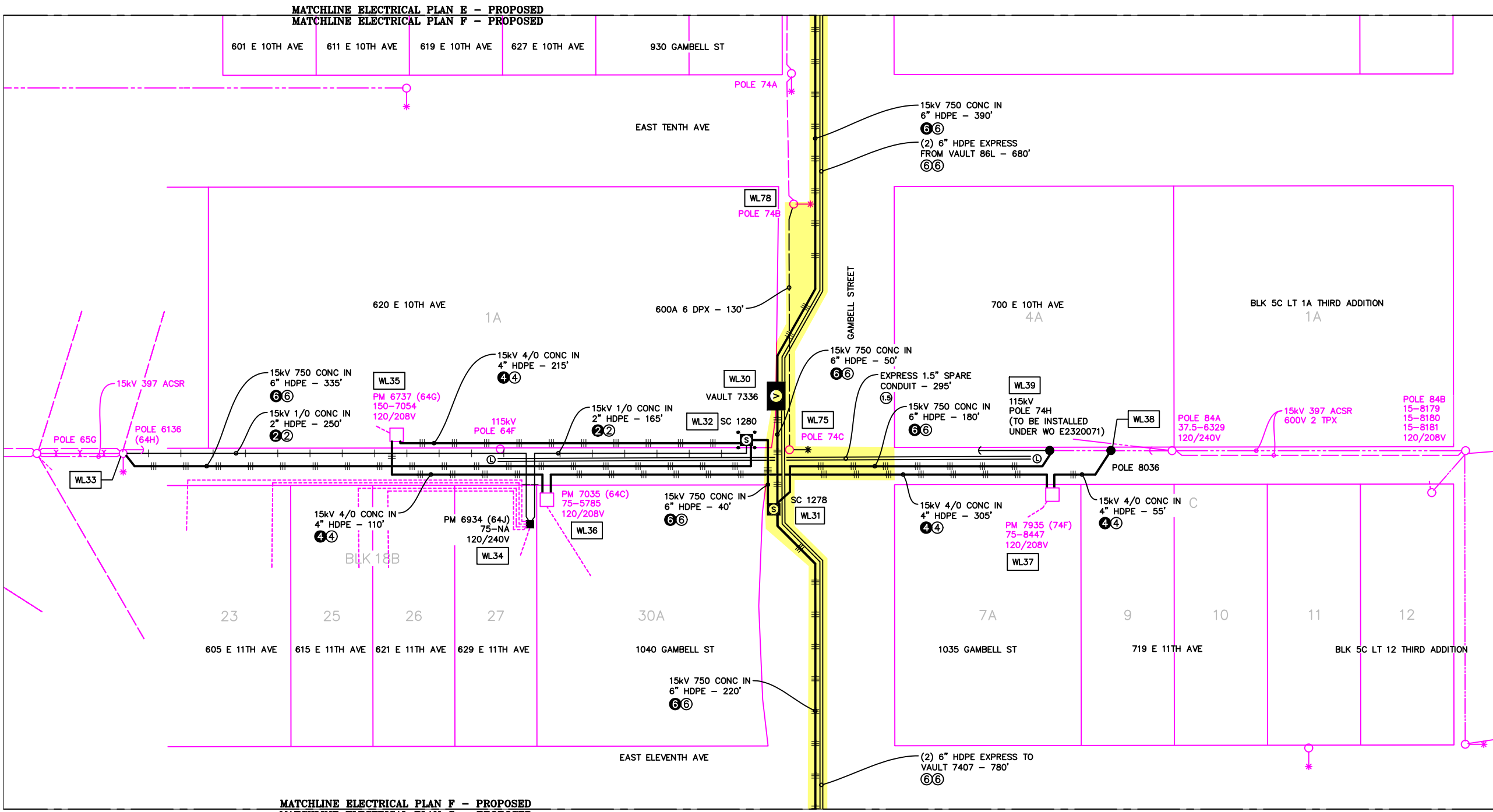
ENG. STAMP

CHUGACH
 POWERING ALASKA'S FUTURE

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

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT
	GRIDS: 1231D, 1331B, 1331D, 1431
	FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
	RIGHT OF WAY E
W.O. NO.:	P1900043
	P1900043 FINAL.dwg
	PAGE 14 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 15 of 46



VICINITY KEY MAP
N.T.S.

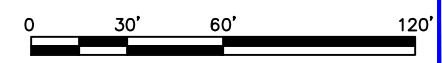
NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

UNDERGROUND OVERHEAD
EQUIPMENT TYPICAL STAKING
N.T.S.

ELECTRICAL PLAN F - PROPOSED
 1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

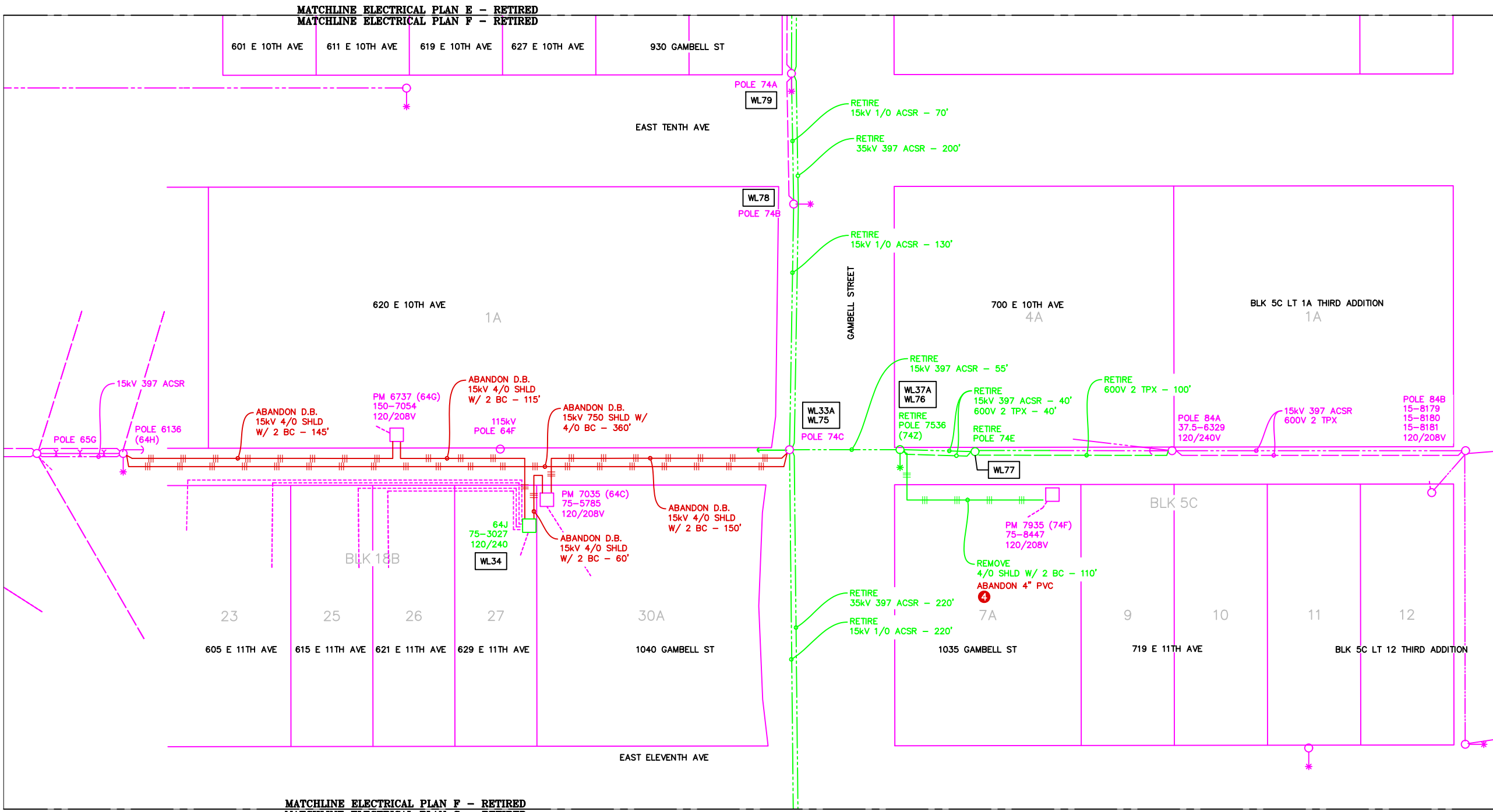
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GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN F - PROPOSED

W.O. NO.: **P1900043**

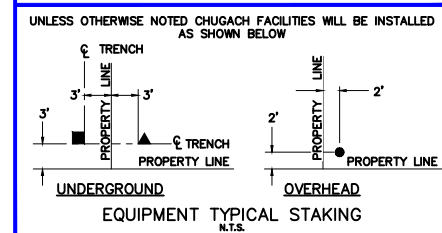
P1900043 FINAL.dwg
 PAGE 15 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 16 of 46



LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[▲]	[▲]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌒]	[⌒]	1Ø OH XFMR
[⌒]	[⌒]	DELTA OH XFMR
[⌒]	[⌒]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[//]	[//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Solid Black]	NEW
[Dashed Black]	REFERENCE
[Solid Pink]	EXISTING
[Solid Green]	RETIRE
[Solid Red]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

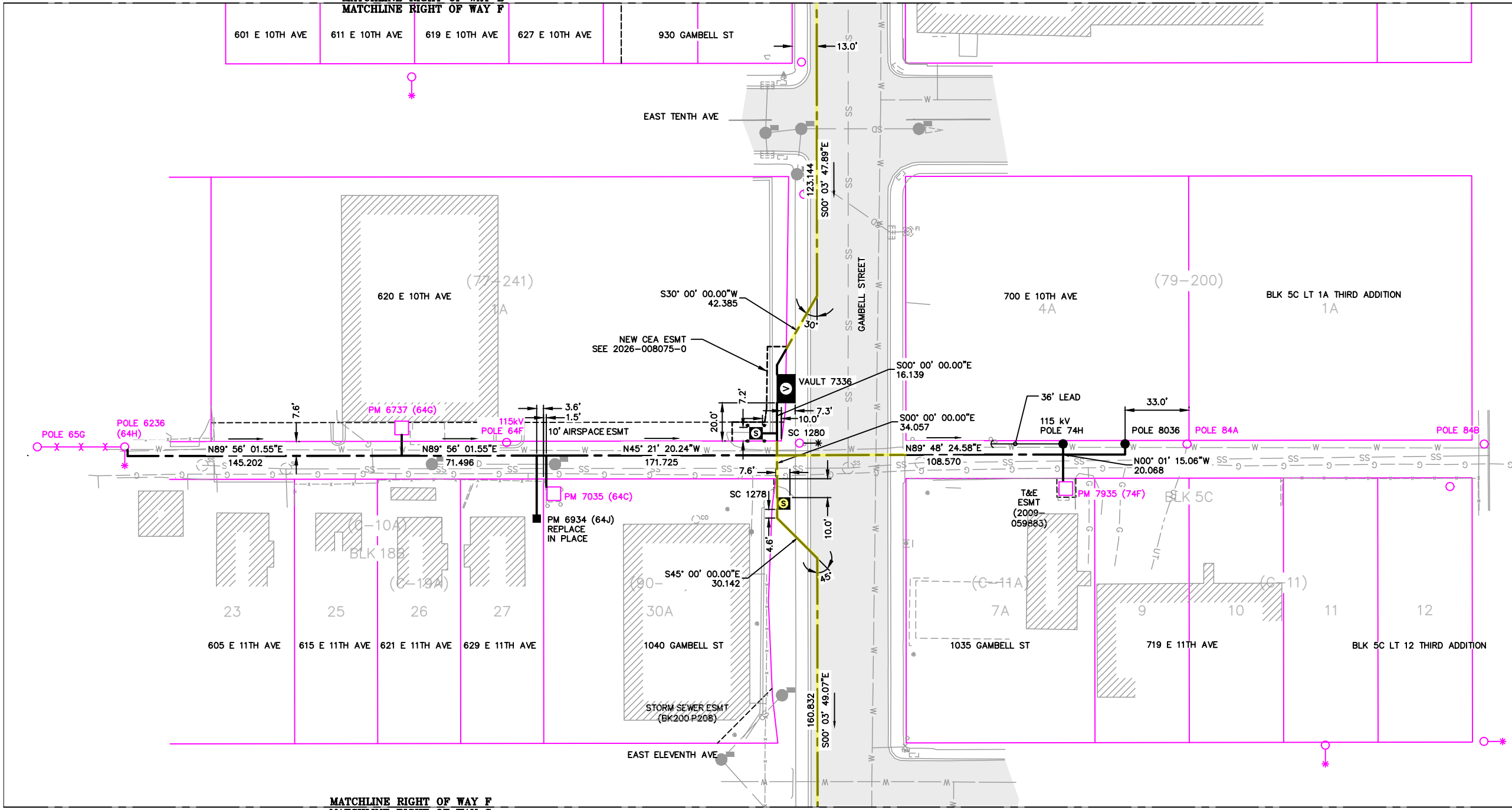
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GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 ELECTRICAL PLAN F - RETIRED

W.O. NO.: **P1900043**

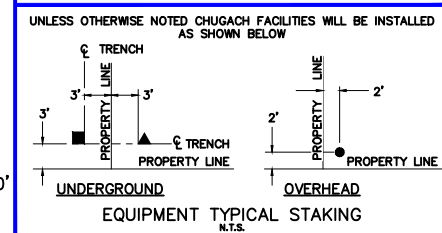
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Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 18 of 46

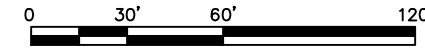


LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[▲]	[▲]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊥]	[⊥]	1Ø OH XFMR
[⊥⊥]	[⊥⊥]	DELTA OH XFMR
[⊥⊥⊥]	[⊥⊥⊥]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[X]	[X]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Black Line]	NEW
[Grey Line]	REFERENCE
[Pink Line]	EXISTING
[Green Line]	RETIRE
[Red Line]	ABANDON



RIGHT OF WAY F
1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

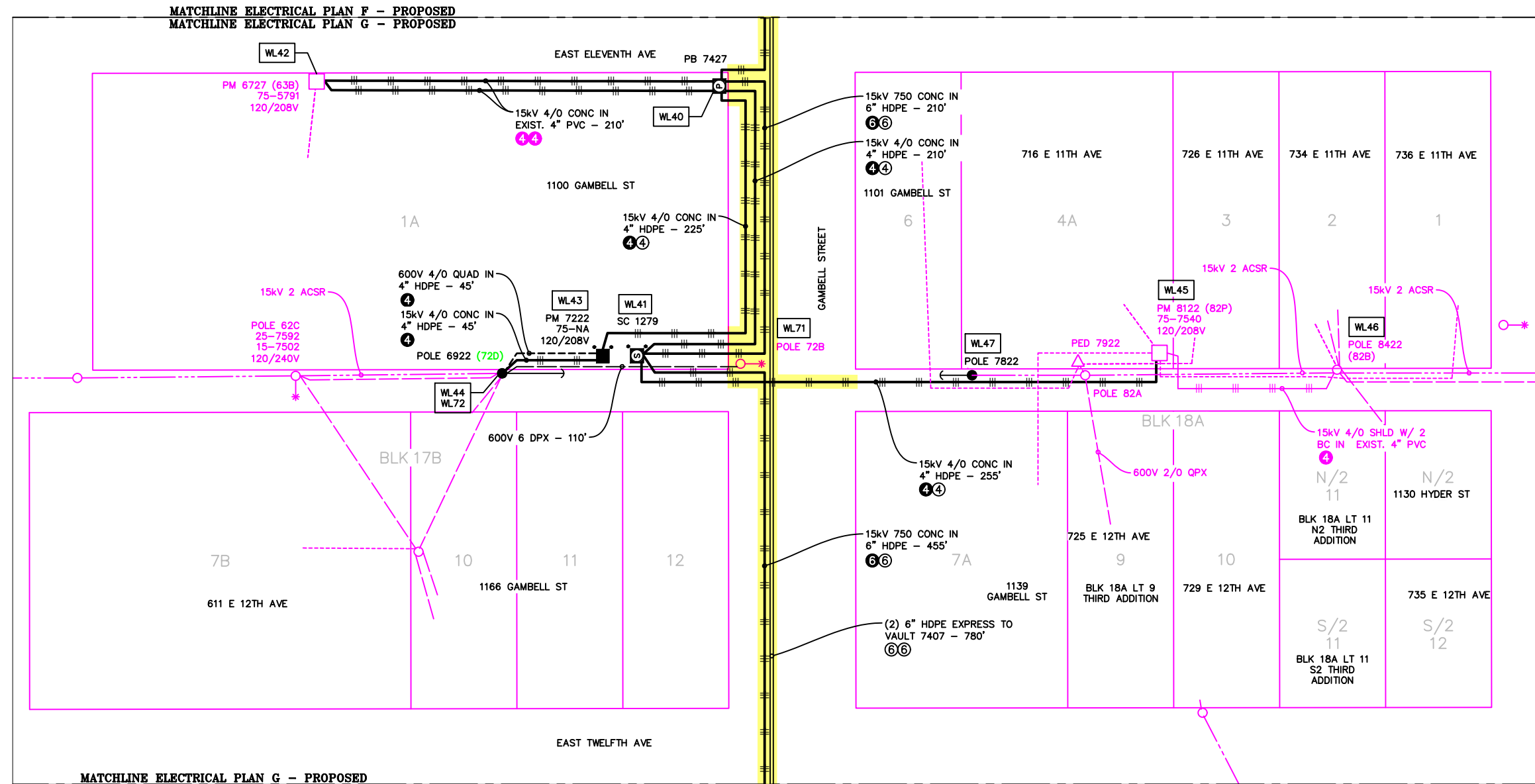
ENG. STAMP



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

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 RIGHT OF WAY F		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
	PAGE 17 OF 46		

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 18 of 46

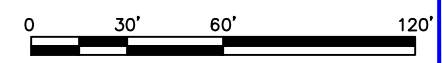
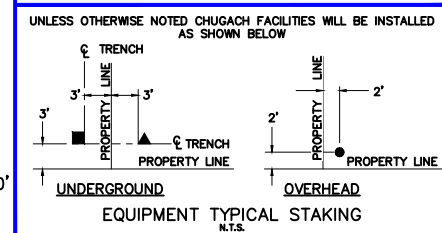


ELECTRICAL PLAN G - PROPOSED
 1"=60'



LEGEND		
NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

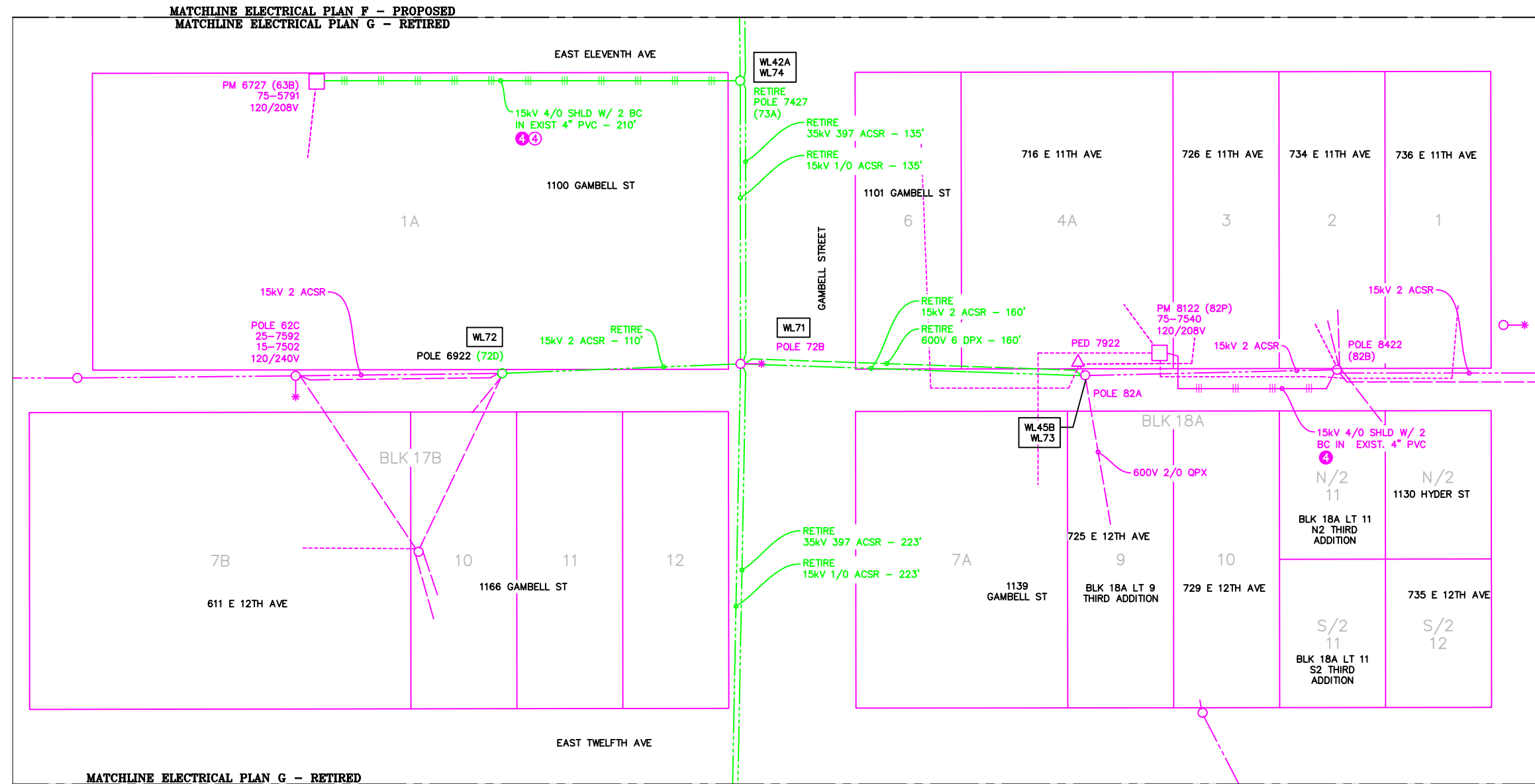
DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN G - PROPOSED

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 18 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 19 of 46

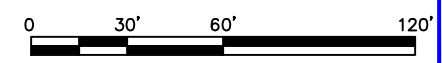
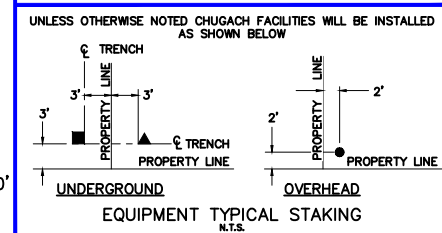


ELECTRICAL PLAN G - RETIRED
 1"=60'



NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRED
[Line Style]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

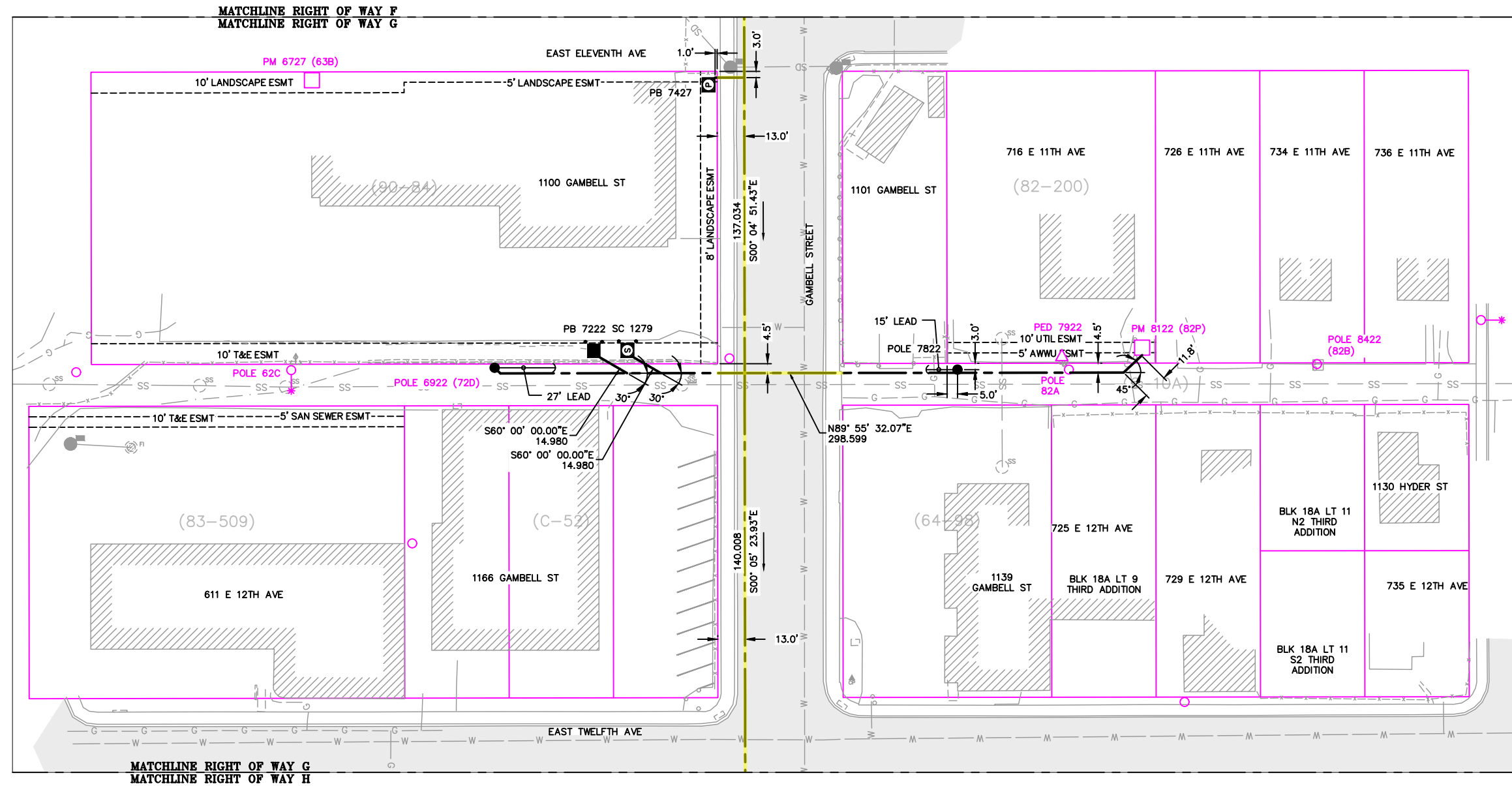
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GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN G - RETIRED

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 19 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 20 of 46

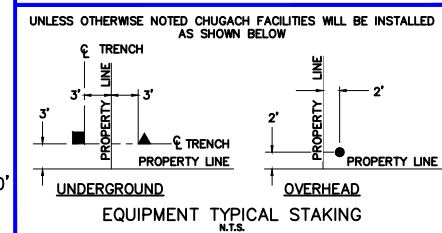


VICINITY KEY MAP
N.T.S.

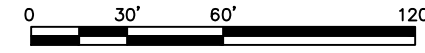
NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND

[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON



RIGHT OF WAY G
1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

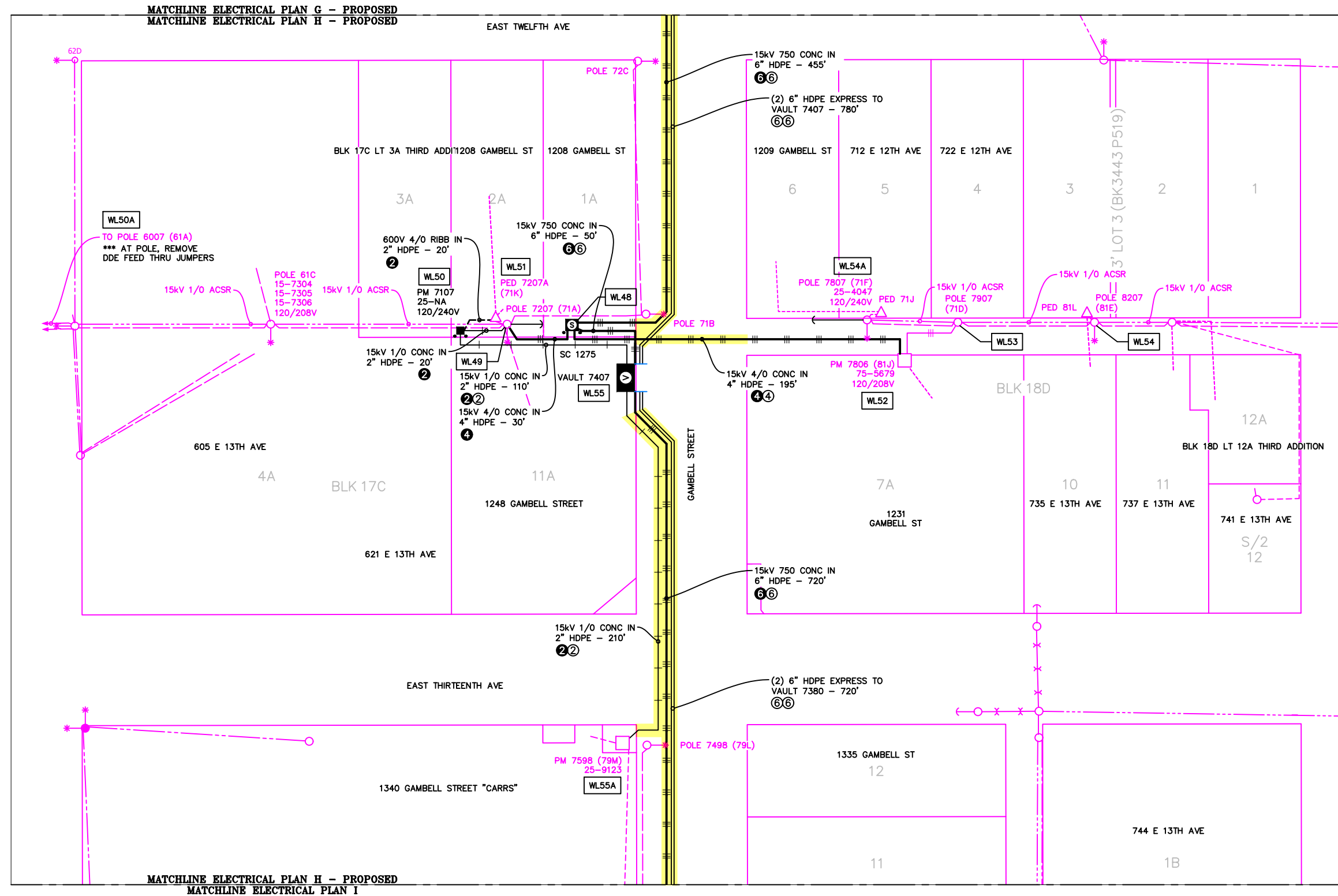
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GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
RIGHT OF WAY G

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
PAGE 20 OF 46

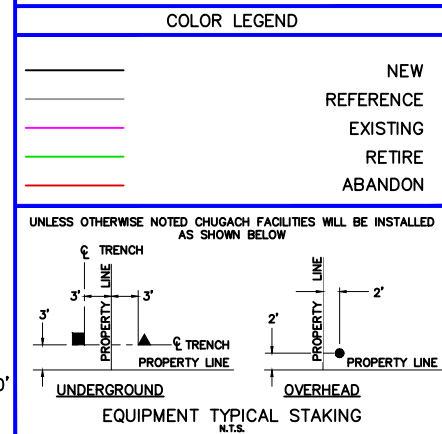
Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 21 of 46



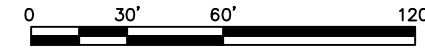
VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND	
	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



ELECTRICAL PLAN H - PROPOSED
1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

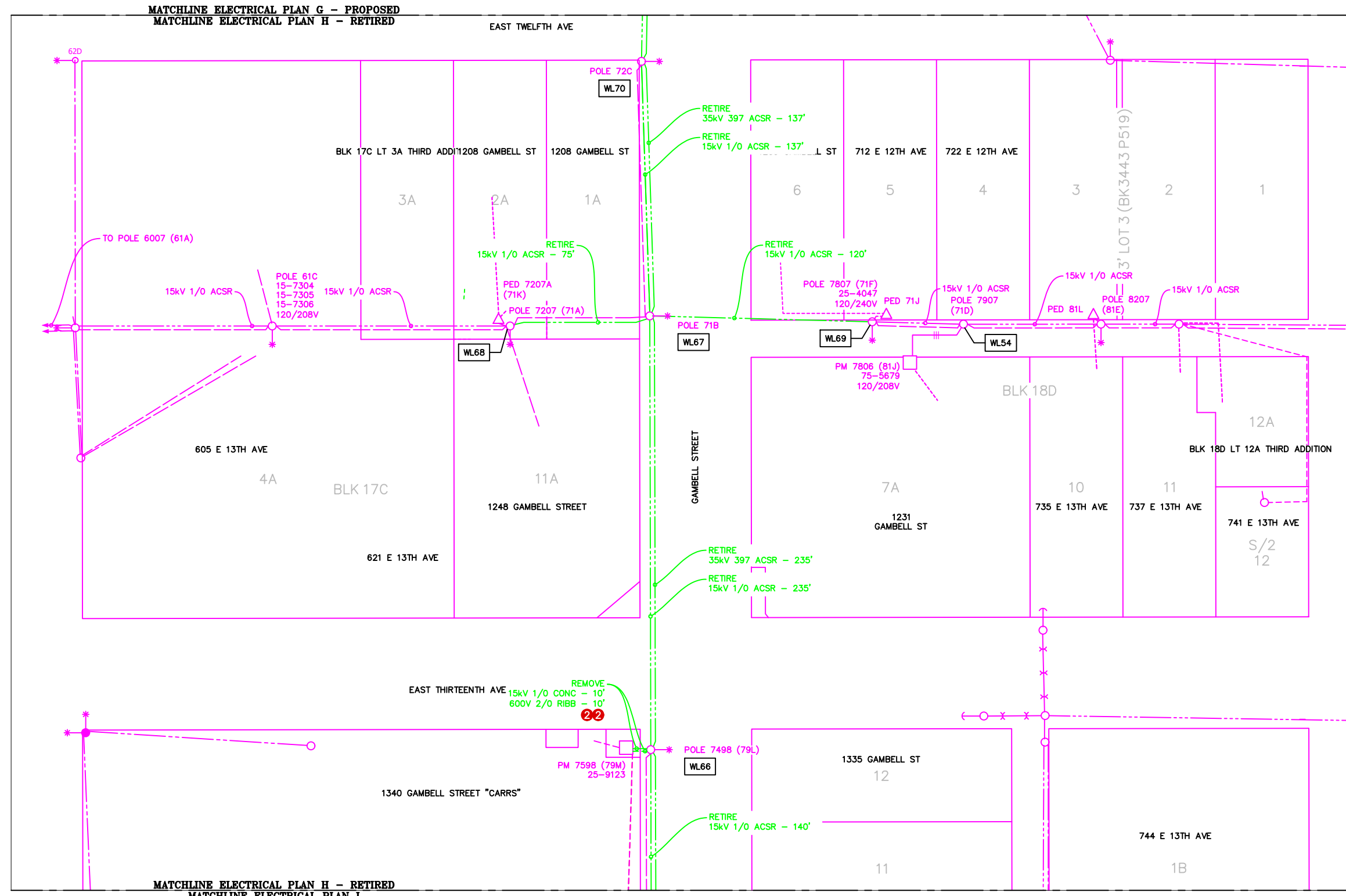
DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT

GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN H - PROPOSED

W.O. NO.: P1900043

P1900043 FINAL.dwg
PAGE 21 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 22 of 46

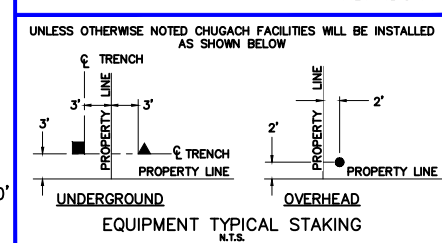


VICINITY KEY MAP
N.T.S.

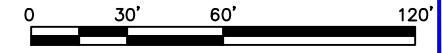
NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[▲]	[▲]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[○]	[○]	PEDESTAL
[○]	[○]	NON-CEA POLE
[○]	[○]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊕]	[⊕]	1Ø OH XFMR
[⊕]	[⊕]	DELTA OH XFMR
[⊕]	[⊕]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[//]	[//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[+]	[+]	2Ø U.G. PRIMARY
[+]	[+]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Solid Blue]	NEW
[Dashed Blue]	REFERENCE
[Solid Green]	EXISTING
[Dashed Green]	RETIRE
[Solid Red]	ABANDON



ELECTRICAL PLAN H - RETIRED
 1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

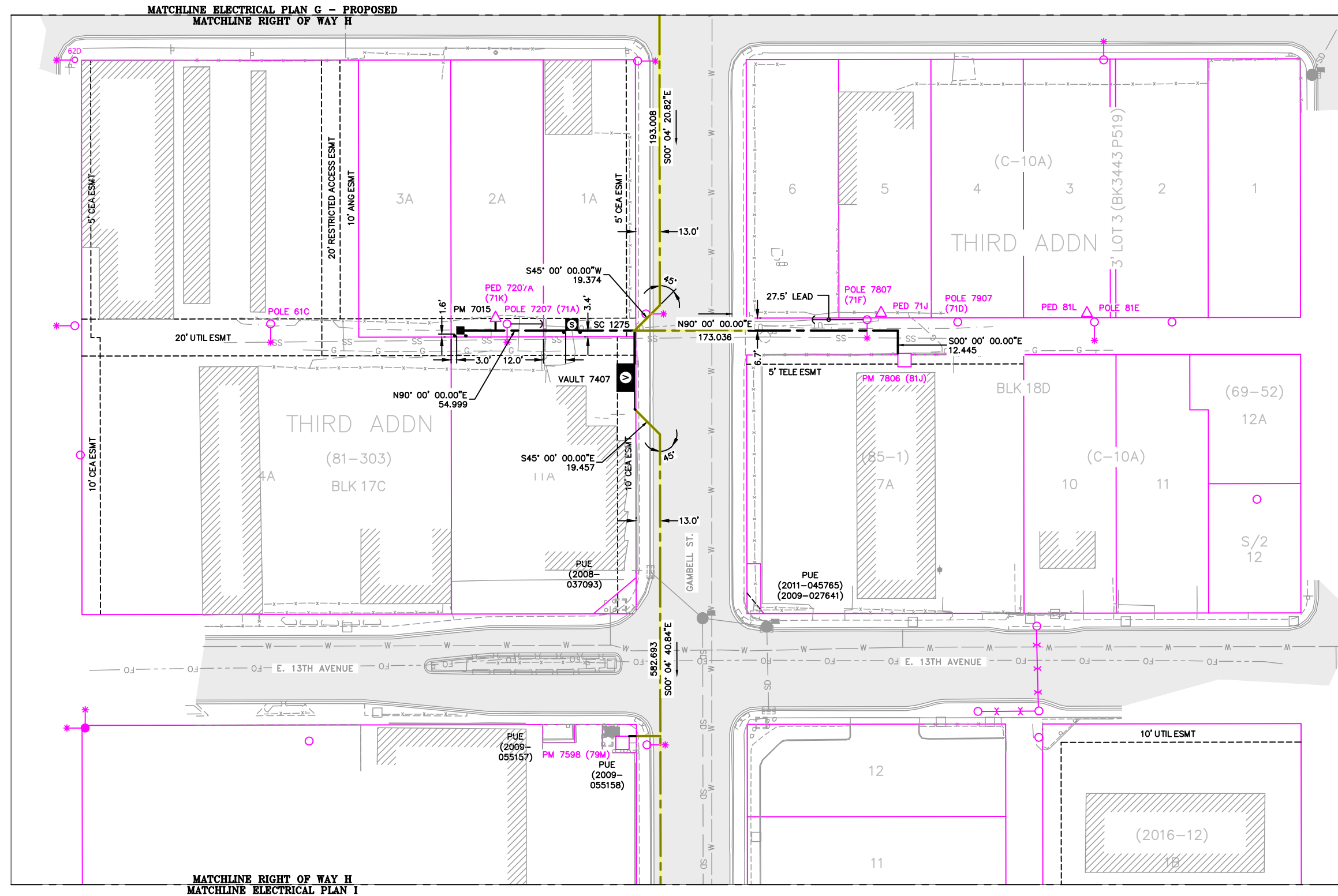
DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN H - RETIRED

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 22 OF 46

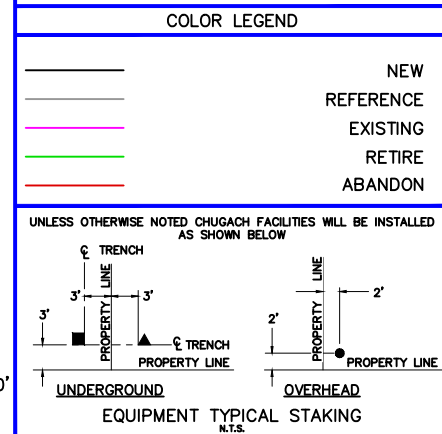
Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 23 of 46



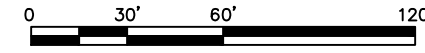
VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Color]	NEW
[Color]	REFERENCE
[Color]	EXISTING
[Color]	RETIRE
[Color]	ABANDON



RIGHT OF WAY H
1"=60'



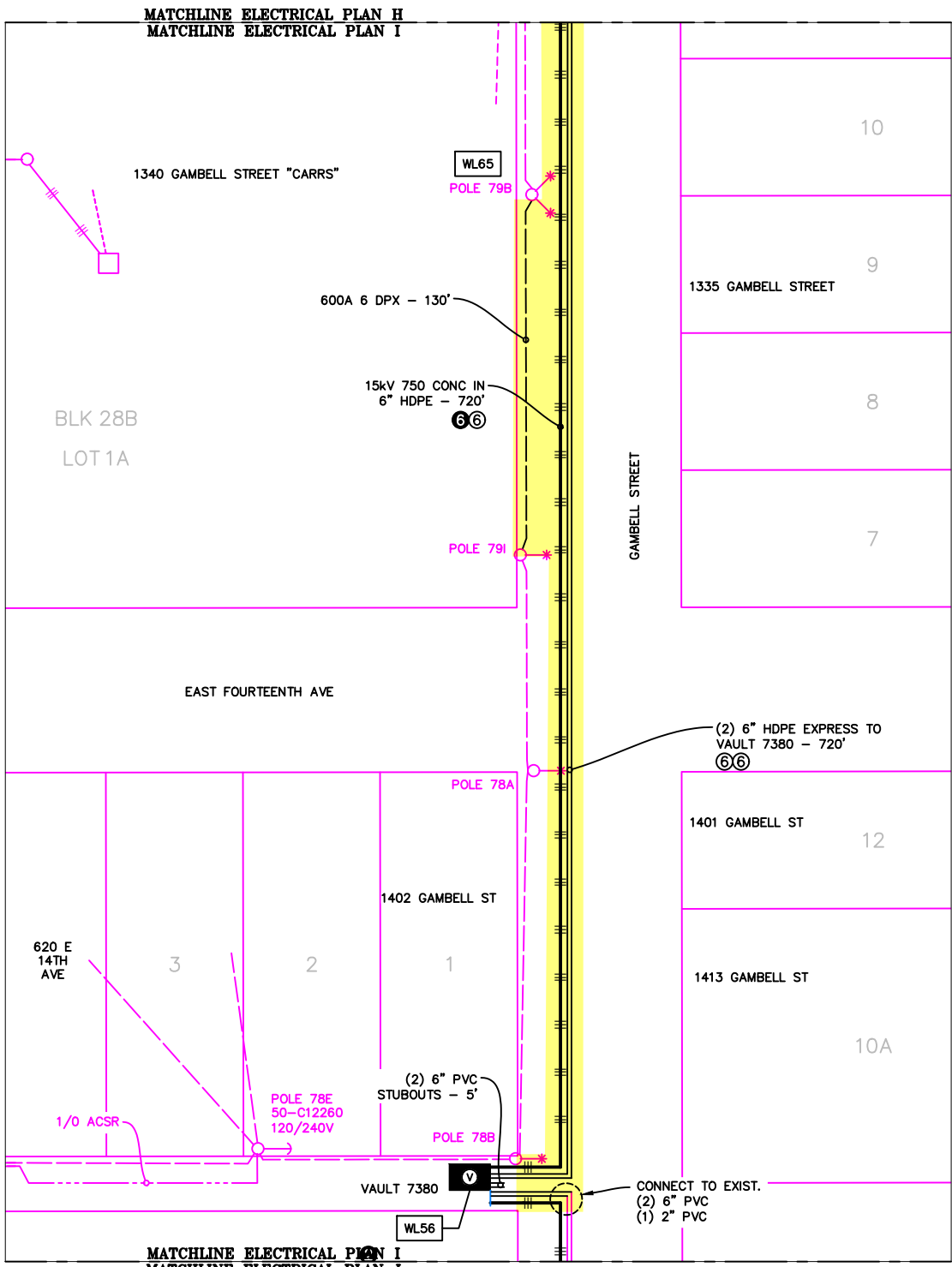
PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

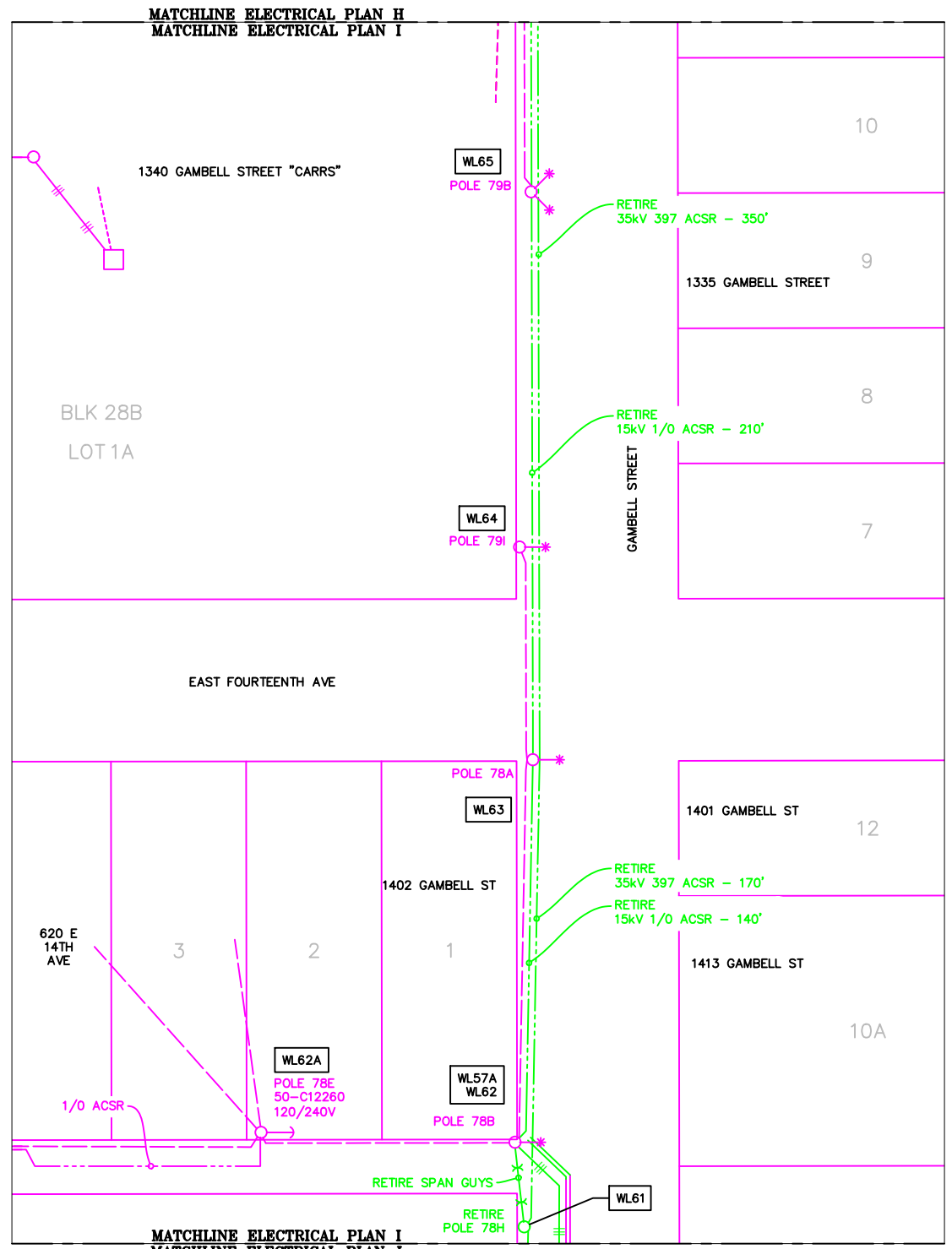
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT
GRIDS:	1231D, 1331B, 1331D, 1431
FEEDER:	S6F7, S10F6, S3F112 / BREAKER 930
RIGHT OF WAY H	
W.O. NO.:	P1900043
PAGE:	23 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 24 of 46



ELECTRICAL PLAN I - PROPOSED
 1"=60'

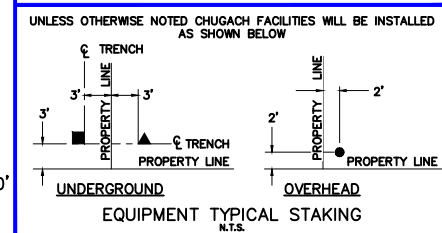


ELECTRICAL PLAN I - RETIRED
 1"=60'



LEGEND		
NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[⊗]	[⊗]	PEDESTAL
[●]	[●]	NON-CEA POLE
[○]	[○]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊥]	[⊥]	1Ø OH XFMR
[⊥⊥]	[⊥⊥]	DELTA OH XFMR
[⊥⊥⊥]	[⊥⊥⊥]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//--]	[--//--]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[]	[]	1Ø U.G. PRIMARY
[]	[]	2Ø U.G. PRIMARY
[]	[]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Solid Black]	NEW
[Dashed Black]	REFERENCE
[Solid Pink]	EXISTING
[Solid Green]	RETIRED
[Solid Red]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

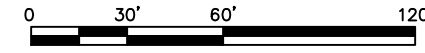
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

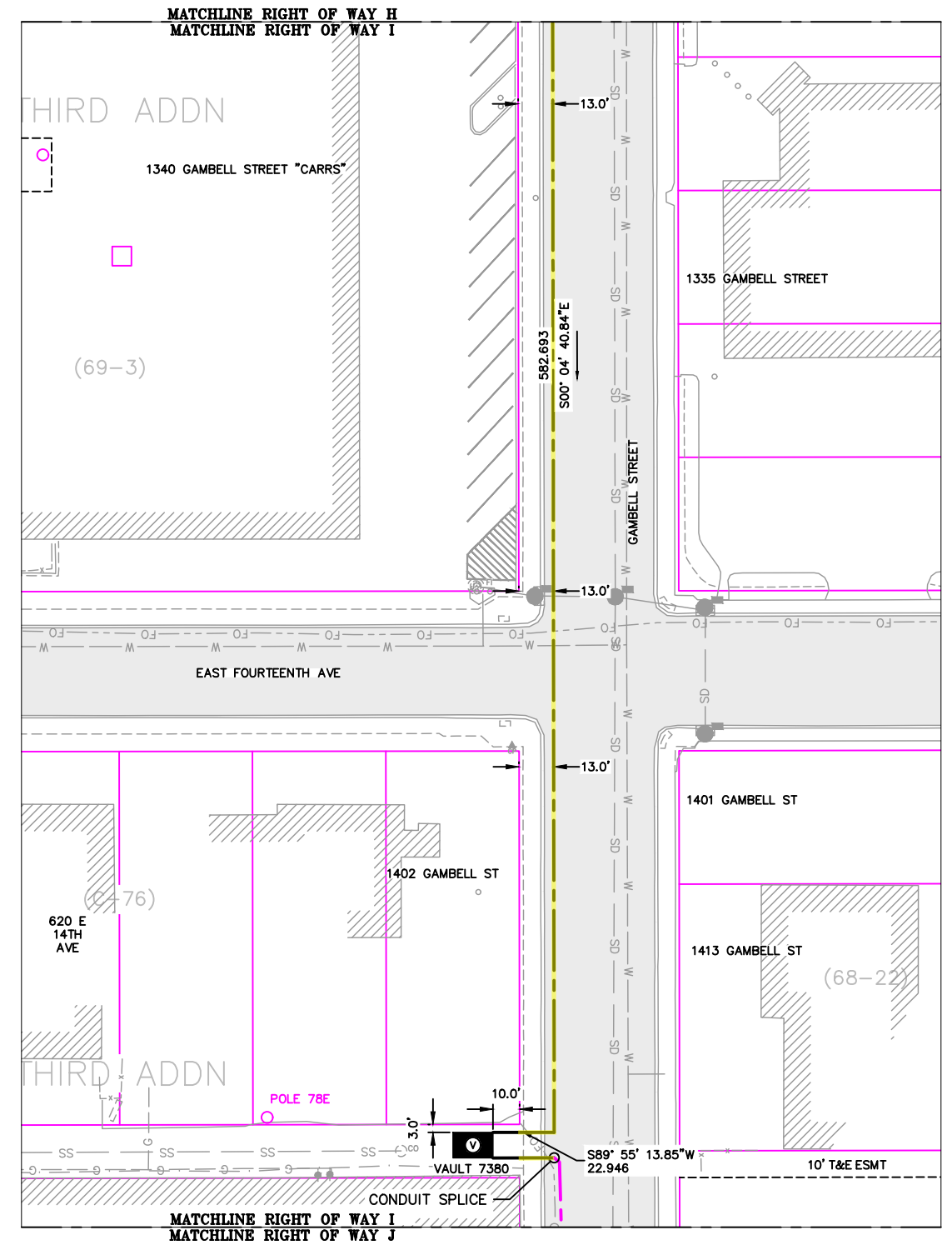
GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN I

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 24 OF 46

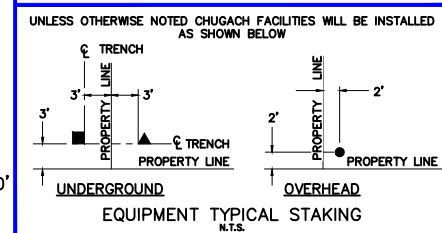


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 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 25 of 46

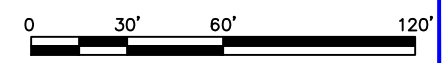


LEGEND		
NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[▲]	[▲]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[○]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌵]	[⌵]	1Ø OH XFMR
[⌵⌵]	[⌵⌵]	DELTA OH XFMR
[⌵⌵⌵]	[⌵⌵⌵]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[-//]	[-//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Solid Line]	NEW
[Dashed Line]	REFERENCE
[Pink Line]	EXISTING
[Green Line]	RETIRE
[Red Line]	ABANDON



RIGHT OF WAY I
 1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

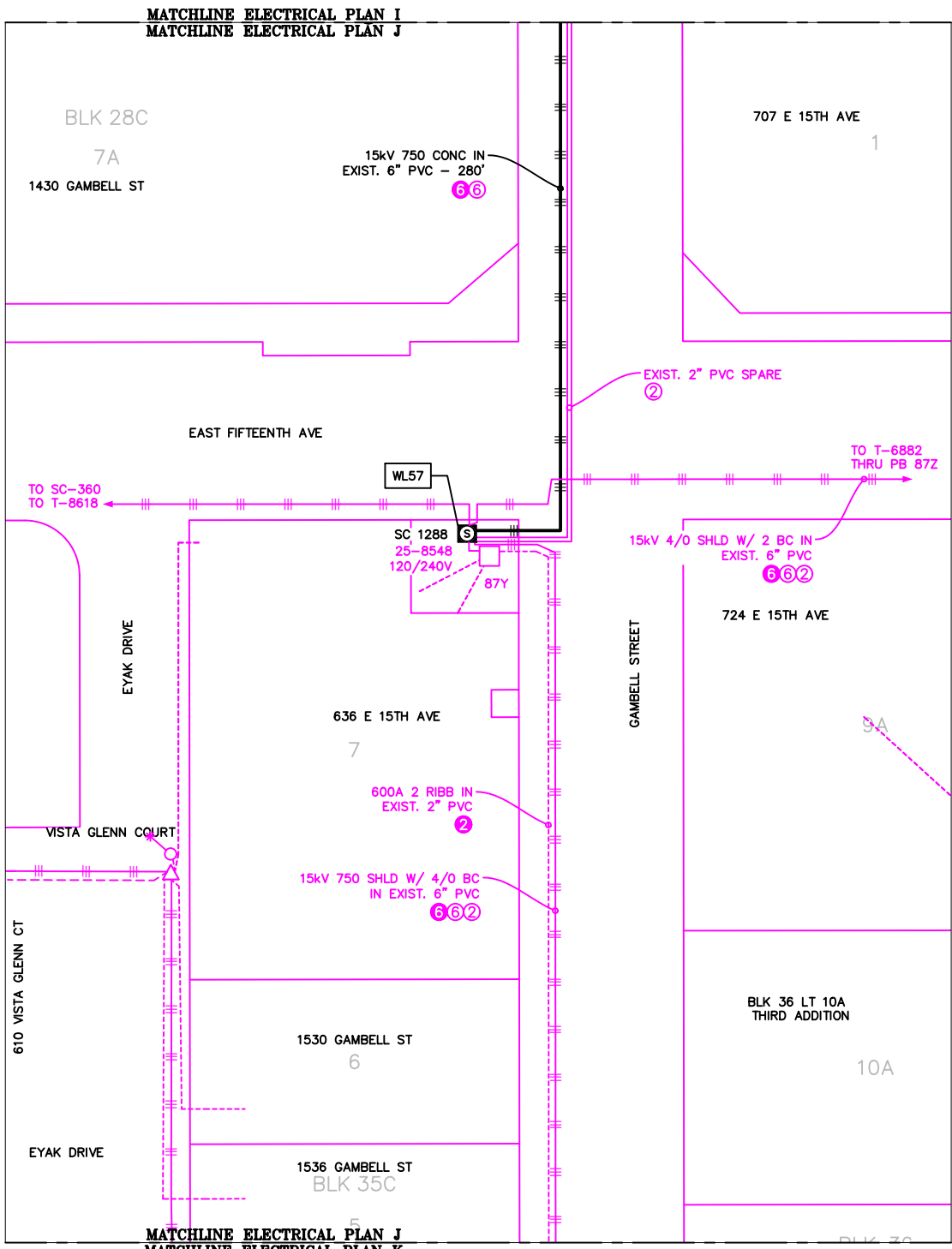
ENG. STAMP



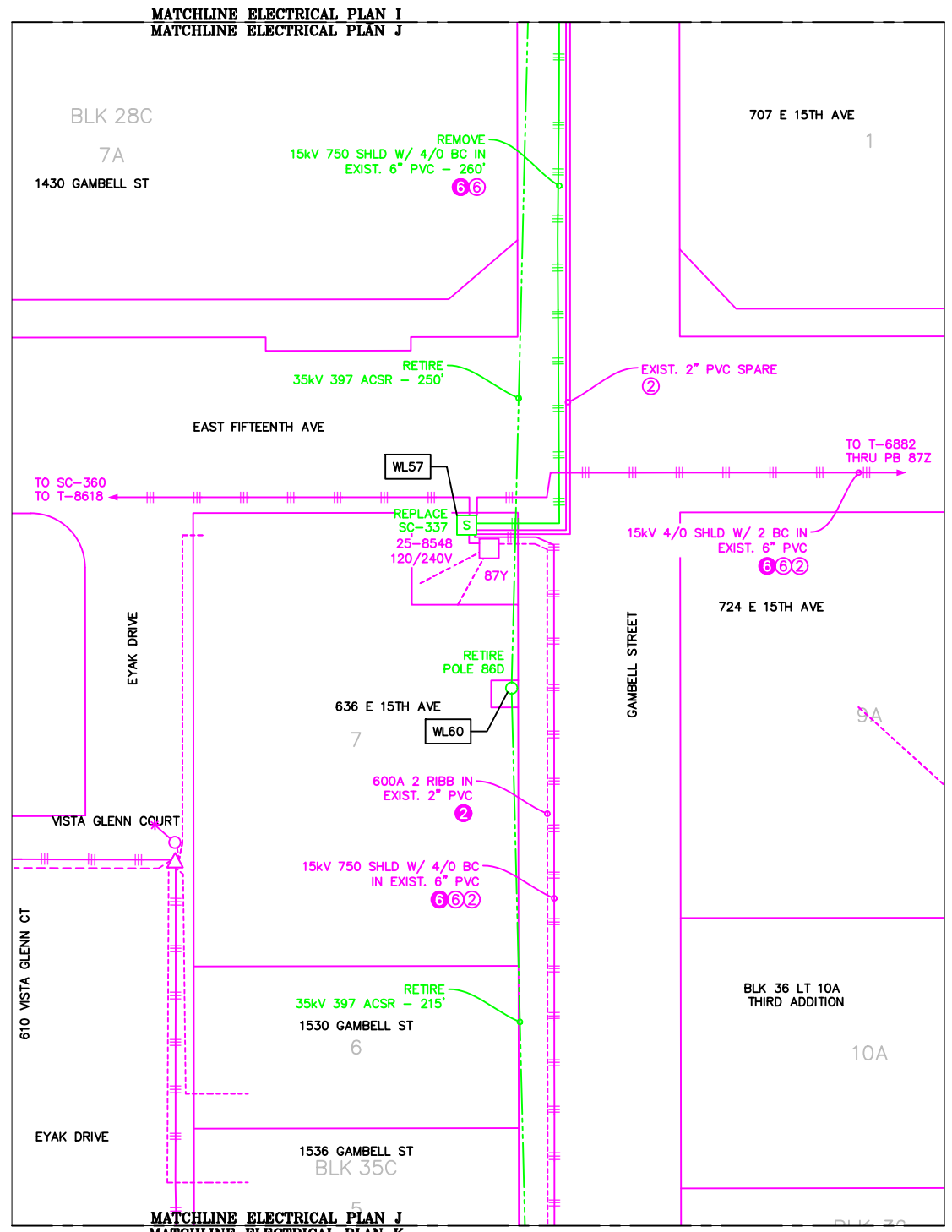
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT	
GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 RIGHT OF WAY I	
W.O. NO.:	P1900043
P1900043 FINAL.dwg	
PAGE 25 OF 46	

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 26 of 46



ELECTRICAL PLAN J - PROPOSED
 1"=60'

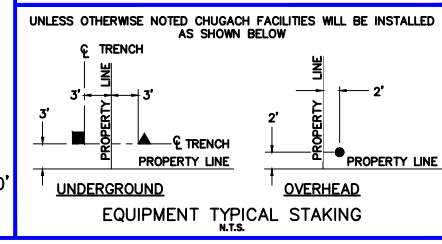


ELECTRICAL PLAN J - RETIRED
 1"=60'



NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRED
[Line Style]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

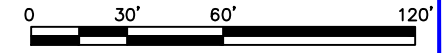
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

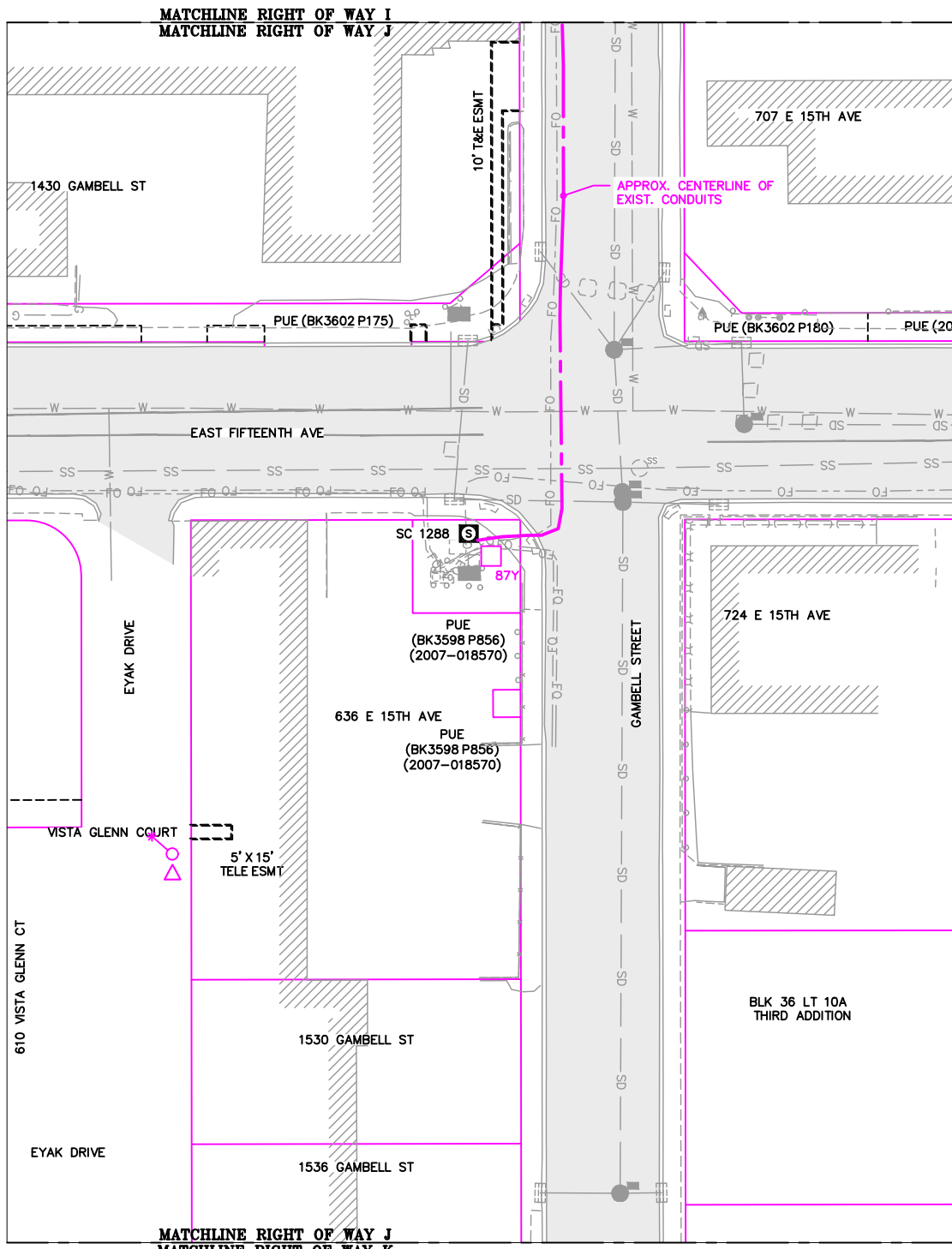
GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
ELECTRICAL PLAN J

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 26 OF 46

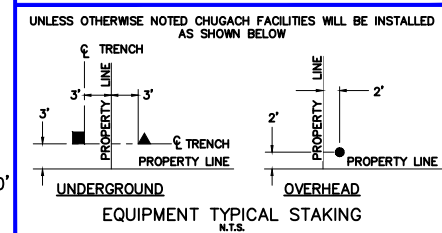


Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 27 of 46

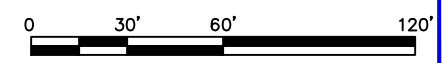


LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[▲]	[▲]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[⊗]	[⊗]	PEDESTAL
[●]	[●]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊕]	[⊕]	1Ø OH XFMR
[⊕⊕]	[⊕⊕]	DELTA OH XFMR
[⊕⊕⊕]	[⊕⊕⊕]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[-//]	[-//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Black Line]	NEW
[Grey Line]	REFERENCE
[Pink Line]	EXISTING
[Green Line]	RETIRE
[Red Line]	ABANDON



RIGHT OF WAY J
 1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

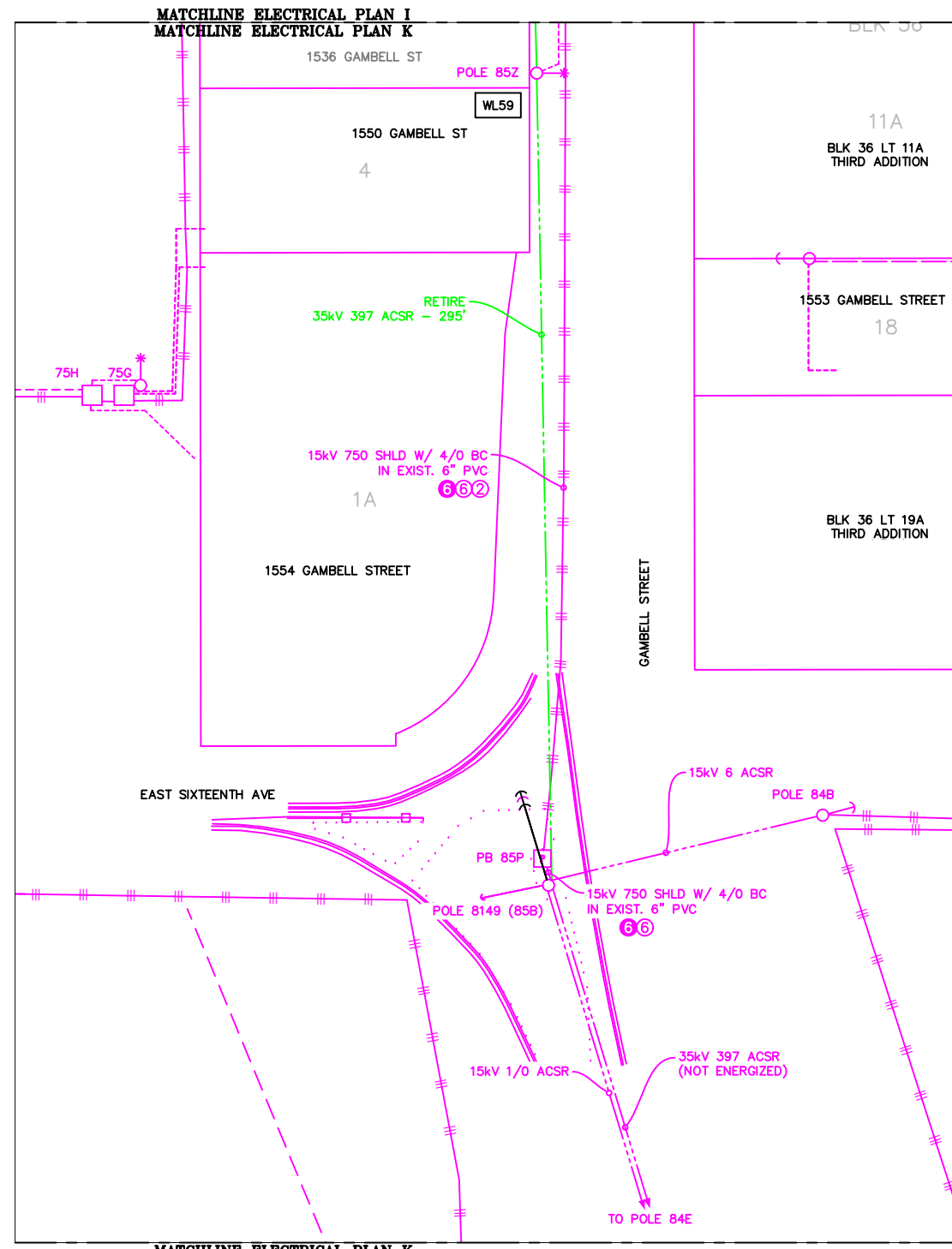
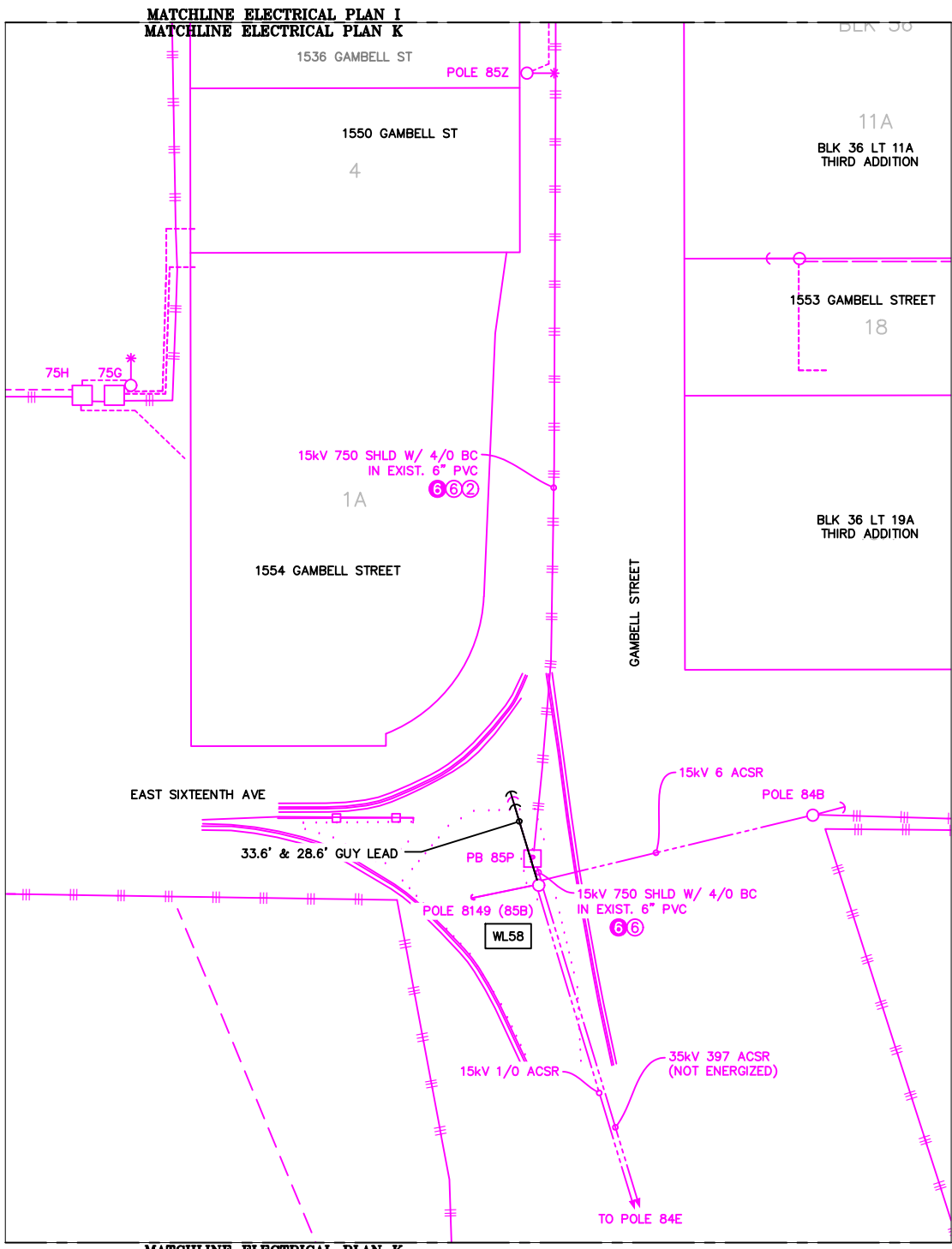
ENG. STAMP



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

DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT	
GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 RIGHT OF WAY J	
W.O. NO.:	P1900043
P1900043 FINAL.dwg	
PAGE 27 OF 46	

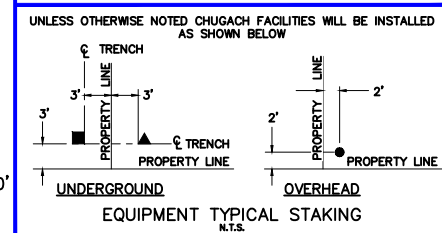
Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 28 of 46



VICINITY KEY MAP
 N.T.S.

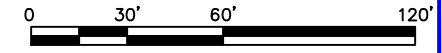
LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[●]	[●]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[○]	[○]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌵]	[⌵]	1Ø OH XFMR
[⌵⌵]	[⌵⌵]	DELTA OH XFMR
[⌵⌵⌵]	[⌵⌵⌵]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[-//]	[-//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Black Line]	NEW
[Grey Line]	REFERENCE
[Pink Line]	EXISTING
[Green Line]	RETIRE
[Red Line]	ABANDON



ELECTRICAL PLAN K - PROPOSED
 1"=60'

ELECTRICAL PLAN K - RETIRED
 1"=60'



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

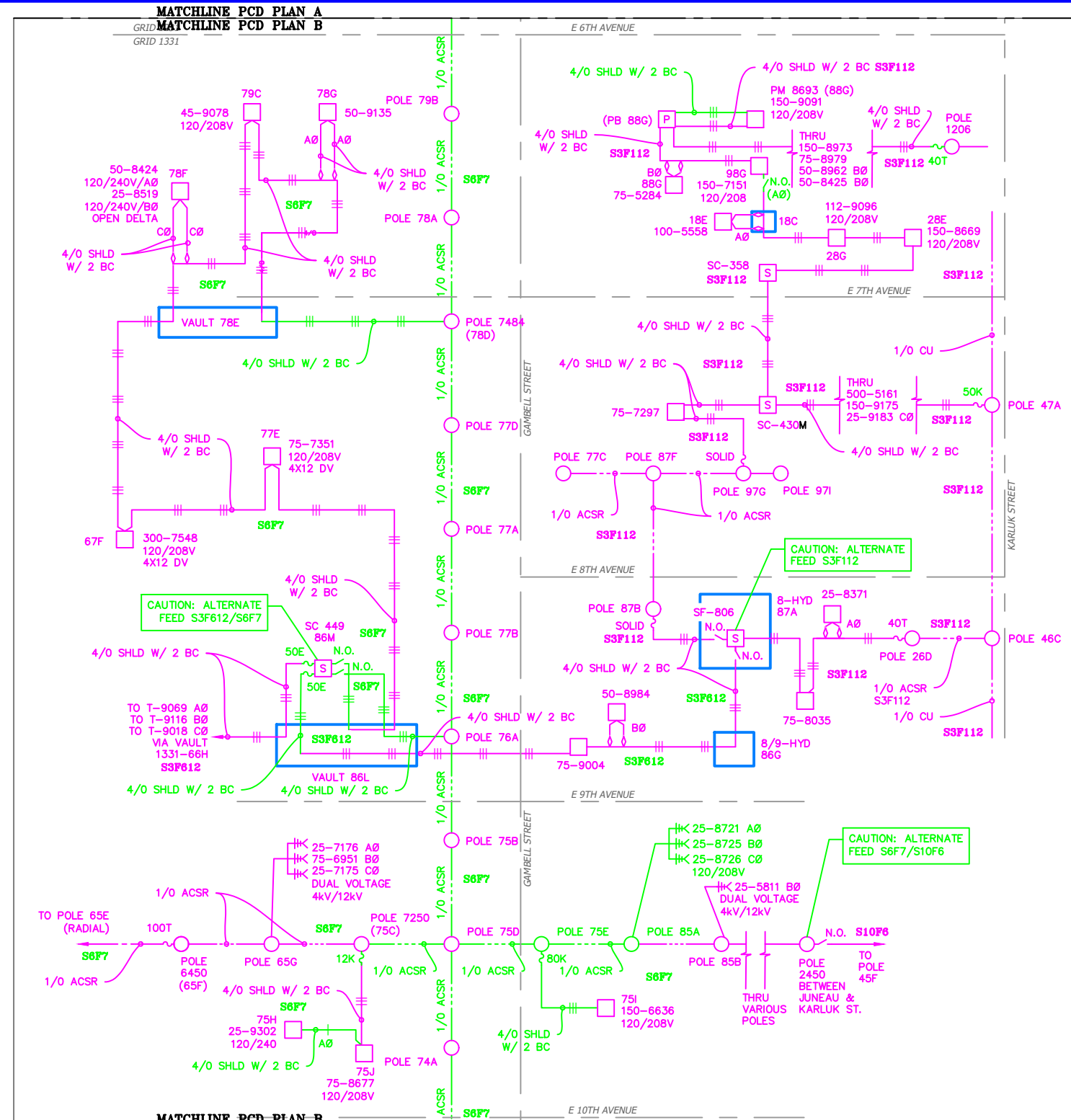
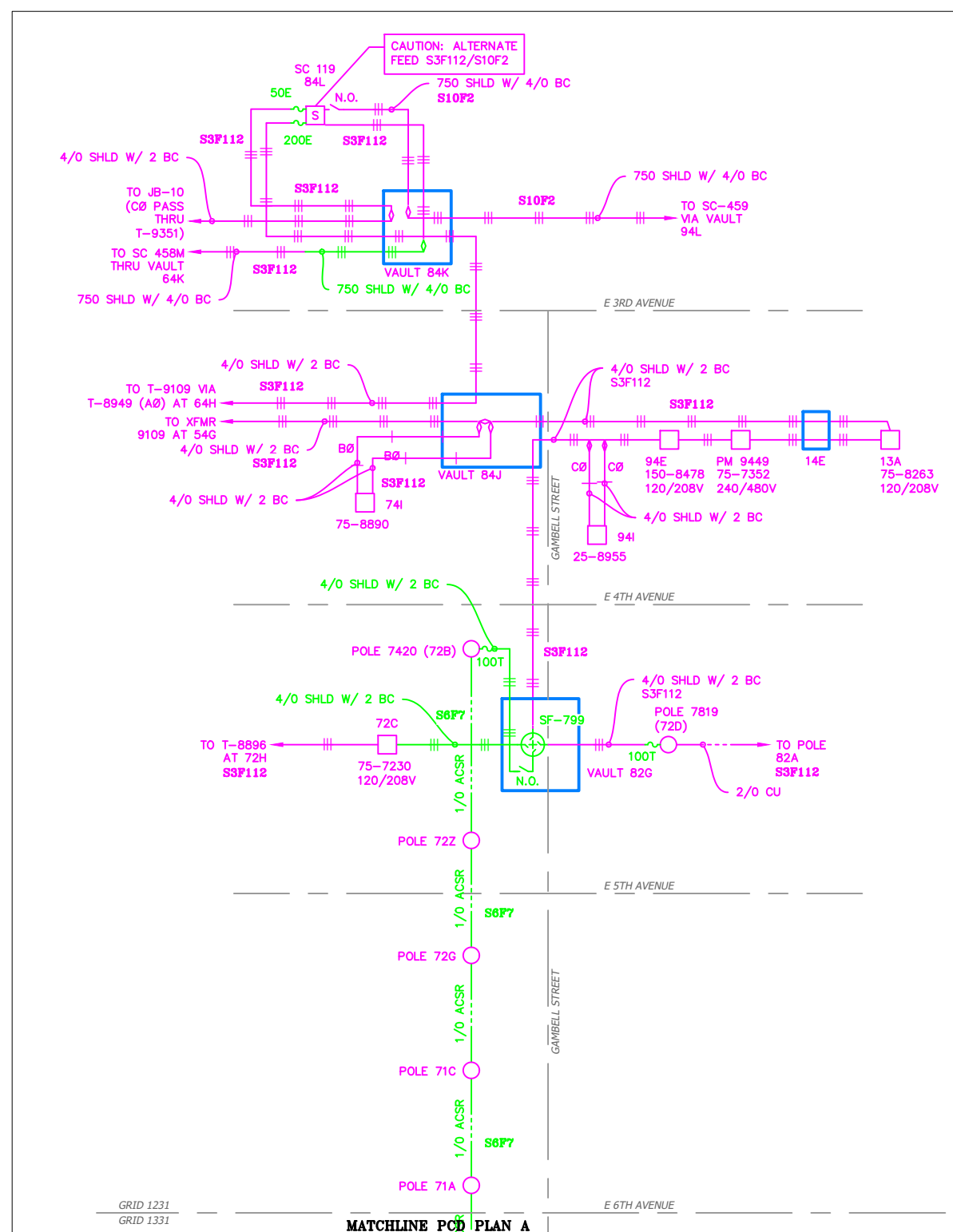
DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 ELECTRICAL PLAN K

W.O. NO.: P1900043

P1900043 FINAL.dwg
 PAGE 28 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 29 of 46

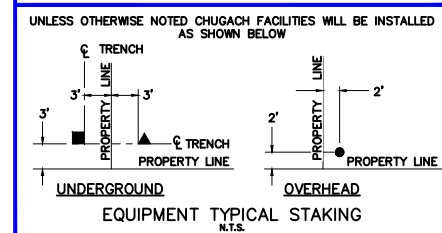


VICINITY KEY MAP N.T.S.

NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND

[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON

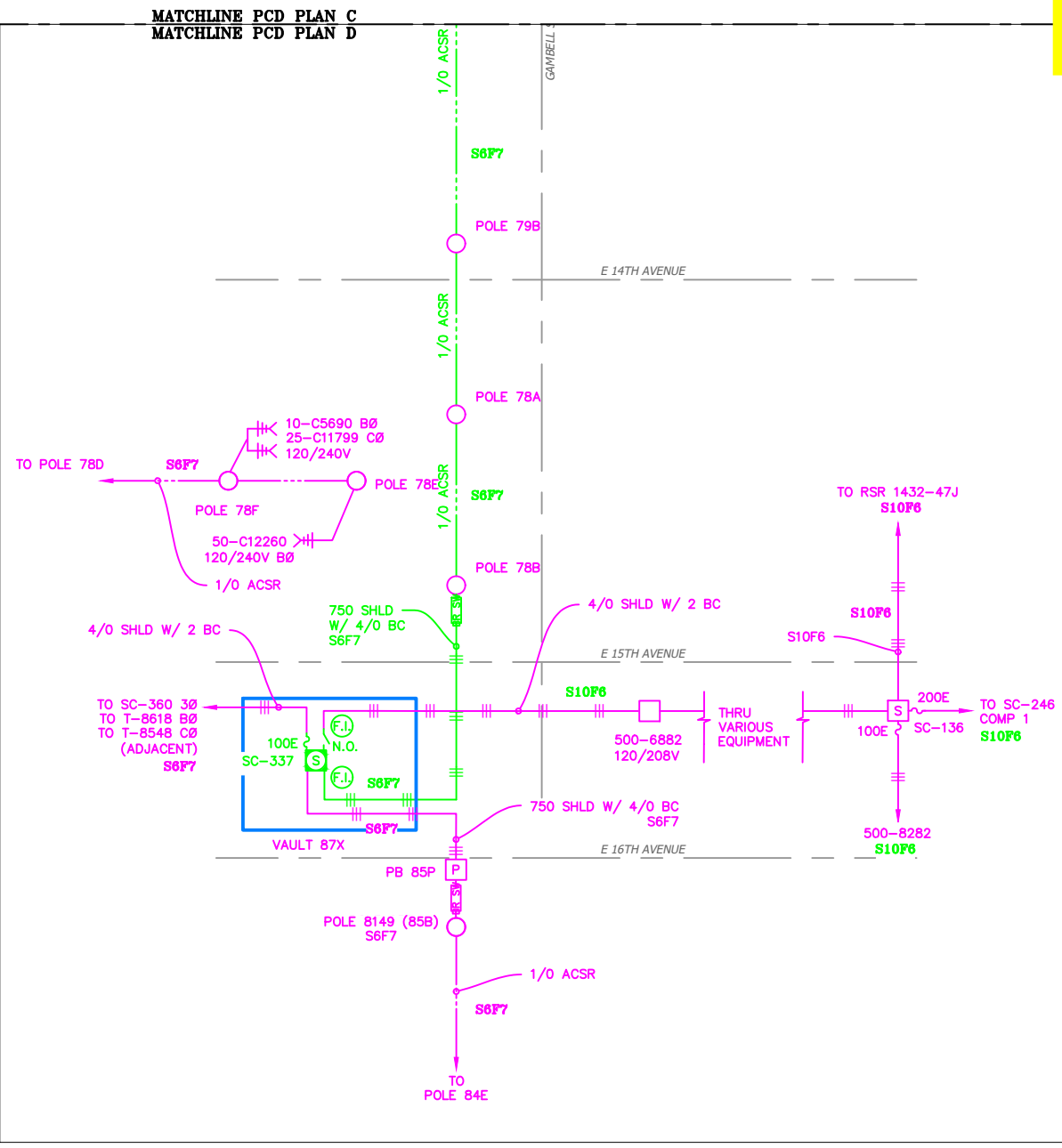
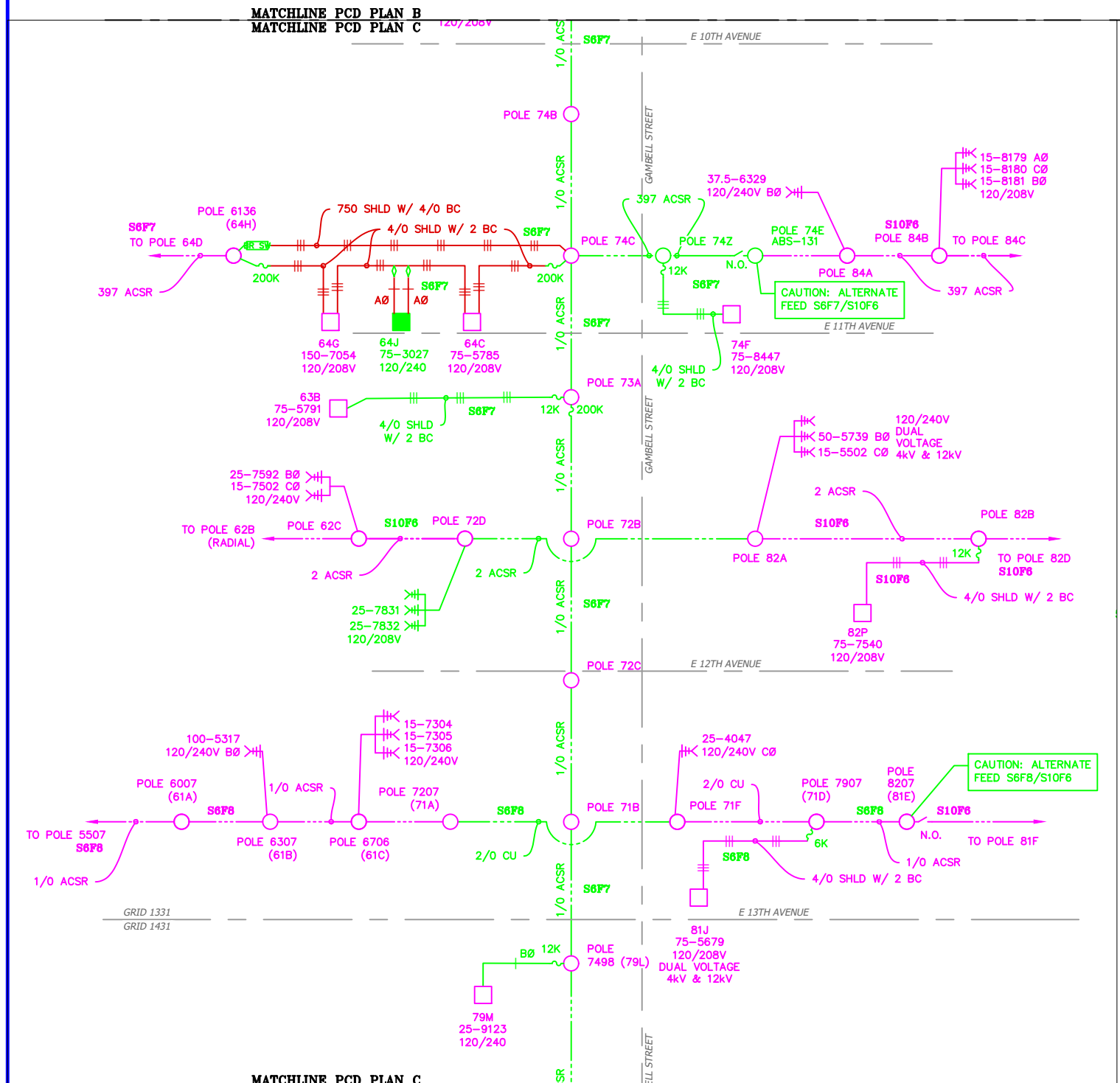


PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431		
	FEEDER: S6F7, S10F6, S3F112 / BREAKER 930		
	EXISTING 12.47KV A - PCD		
W.O. NO.:	P1900043		
	P1900043 FINAL.dwg		
	PAGE 29 OF 46		

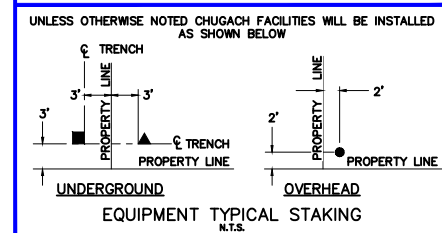


VICINITY KEY MAP
N.T.S.

LEGEND		DESC.
NEW	EXISTING	
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND

[Color]	NEW
[Color]	REFERENCE
[Color]	EXISTING
[Color]	RETIRE
[Color]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

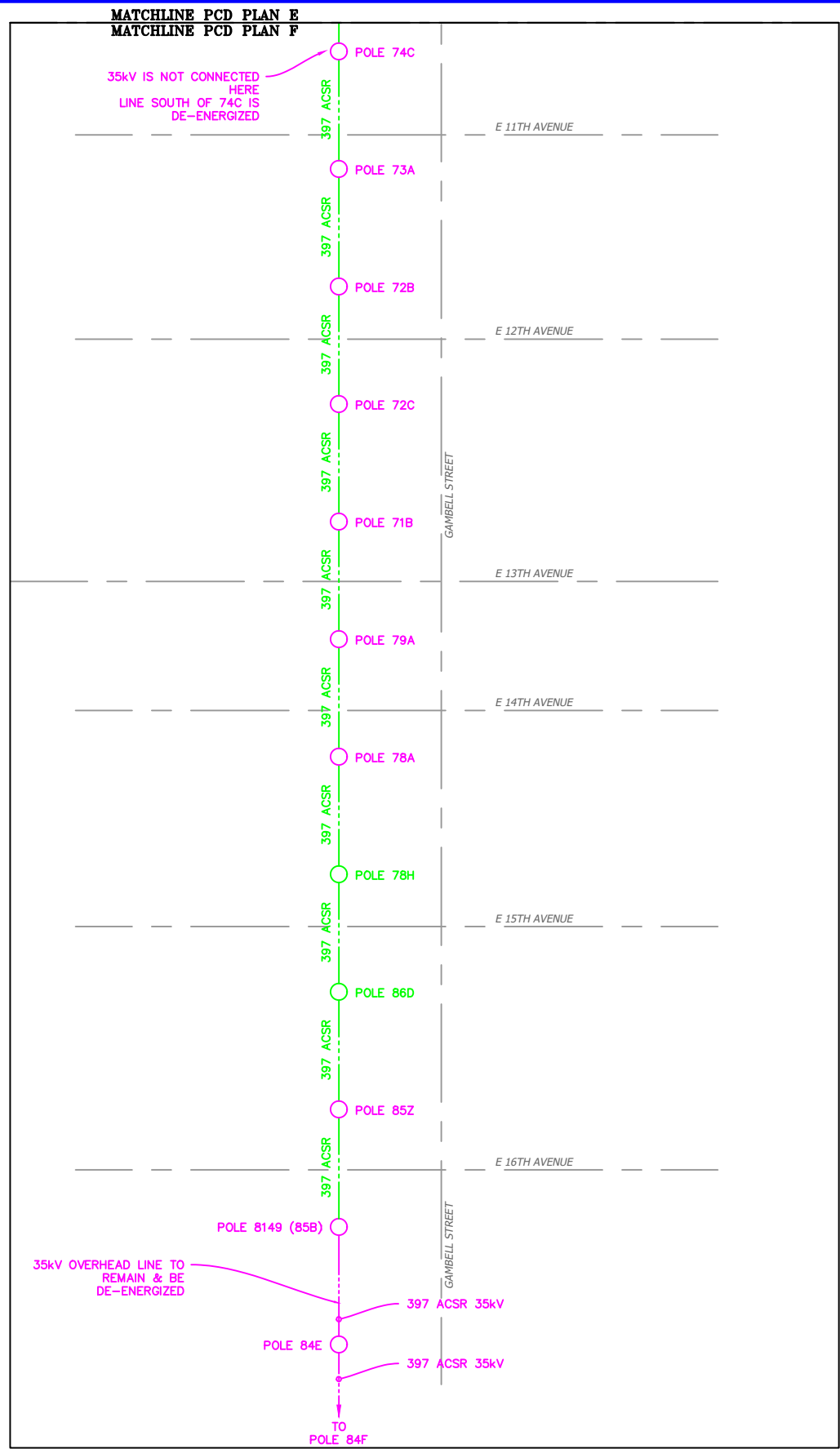
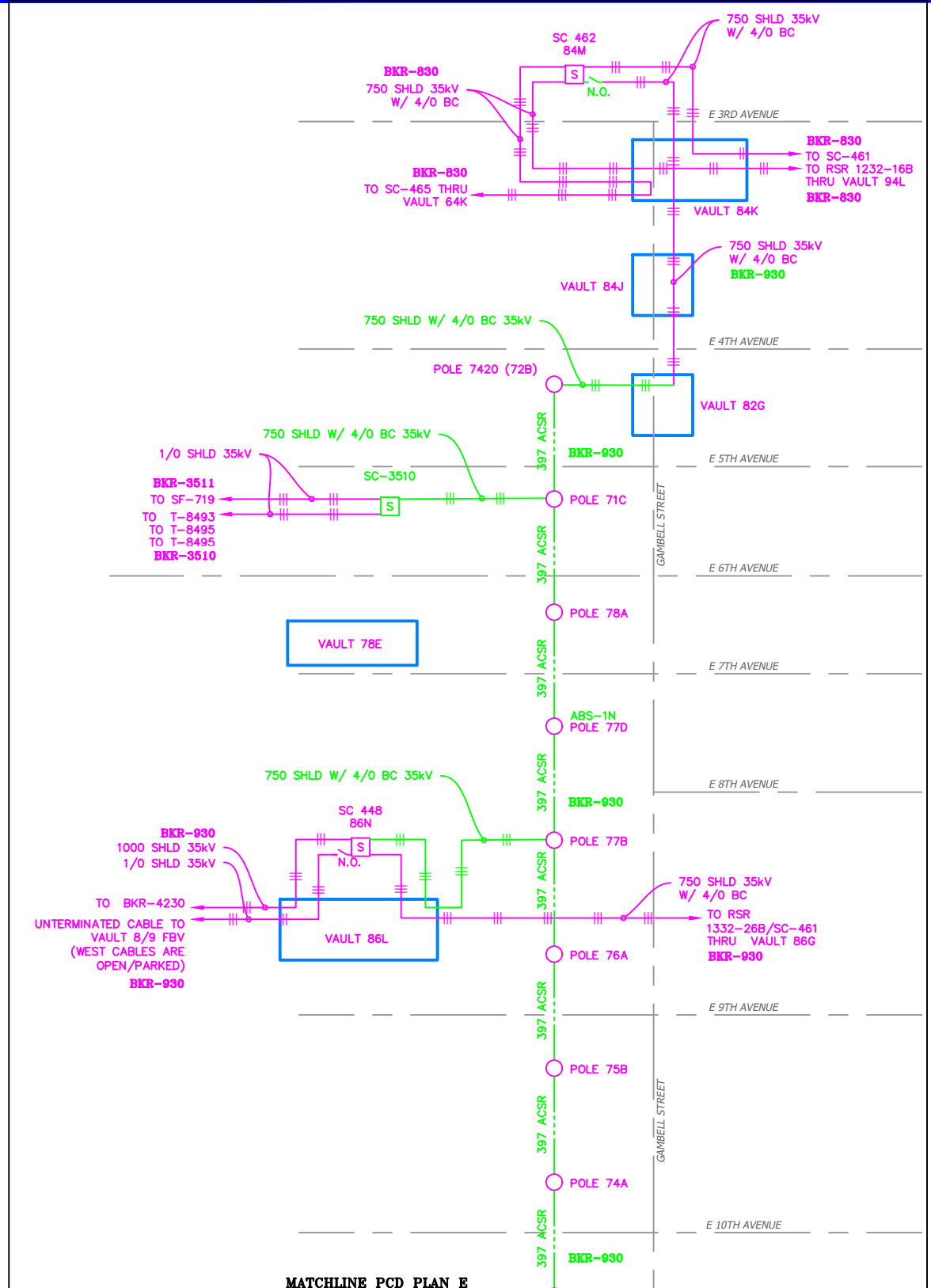
DRAWING NAME: GAMBELL STREET: OH TO UG T-21 PROJECT

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 EXISTING 12.47KV B - PCD

W.O. NO.: P1900043

P1900043 FINAL.dwg
 PAGE 30 OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 31 of 46



VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[▲]	[▲]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[○]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌒]	[⌒]	1Ø OH XFMR
[⌒⌒]	[⌒⌒]	DELTA OH XFMR
[⌒⌒⌒]	[⌒⌒⌒]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[//]	[//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[]	[]	1Ø U.G. PRIMARY
[]	[]	2Ø U.G. PRIMARY
[]	[]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Solid Line]	NEW
[Dashed Line]	REFERENCE
[Pink Line]	EXISTING
[Green Line]	RETIRE
[Red Line]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

EQUIPMENT TYPICAL STAKING
N.T.S.

PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

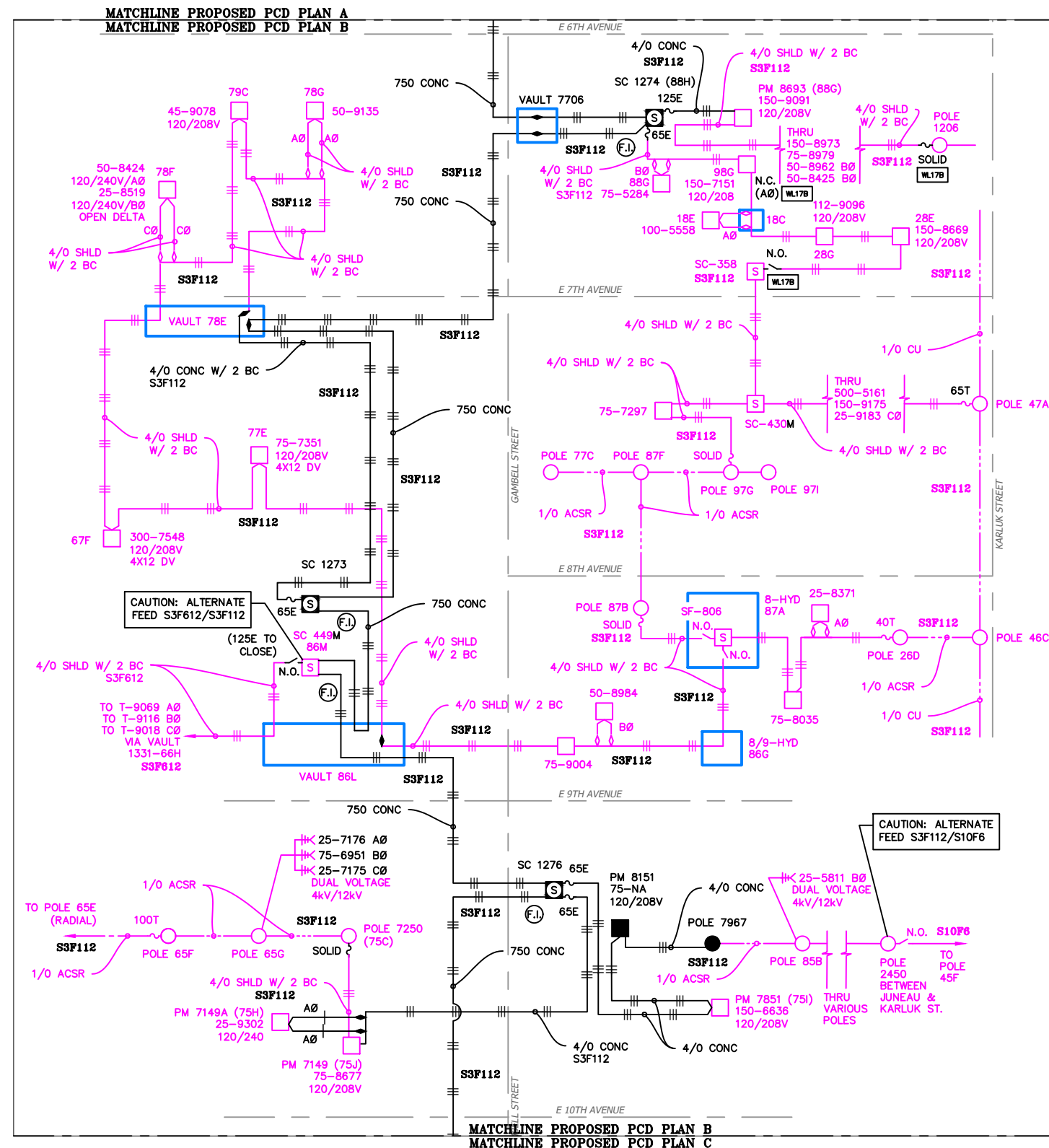
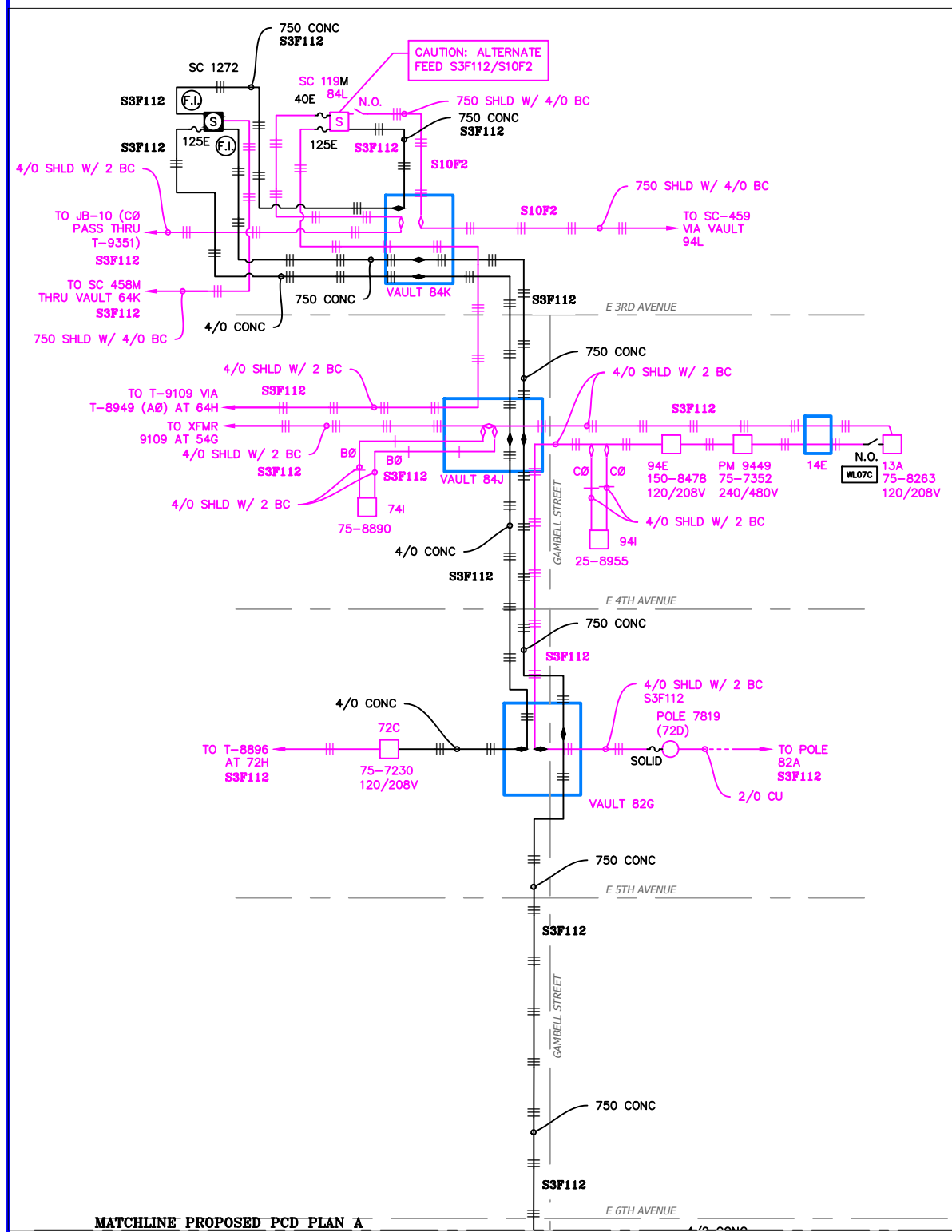
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 EXISTING 34.5KV - PCD

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 31 OF 46



VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND

[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

EQUIPMENT TYPICAL STAKING
N.T.S.

PROJECT: **GAMBELL STREET: OH TO UG T-21 PROJECT**

DESIGNER/PROJECT ENGINEER: **M. SALVANERA** W.O. #: **P1900043**

NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

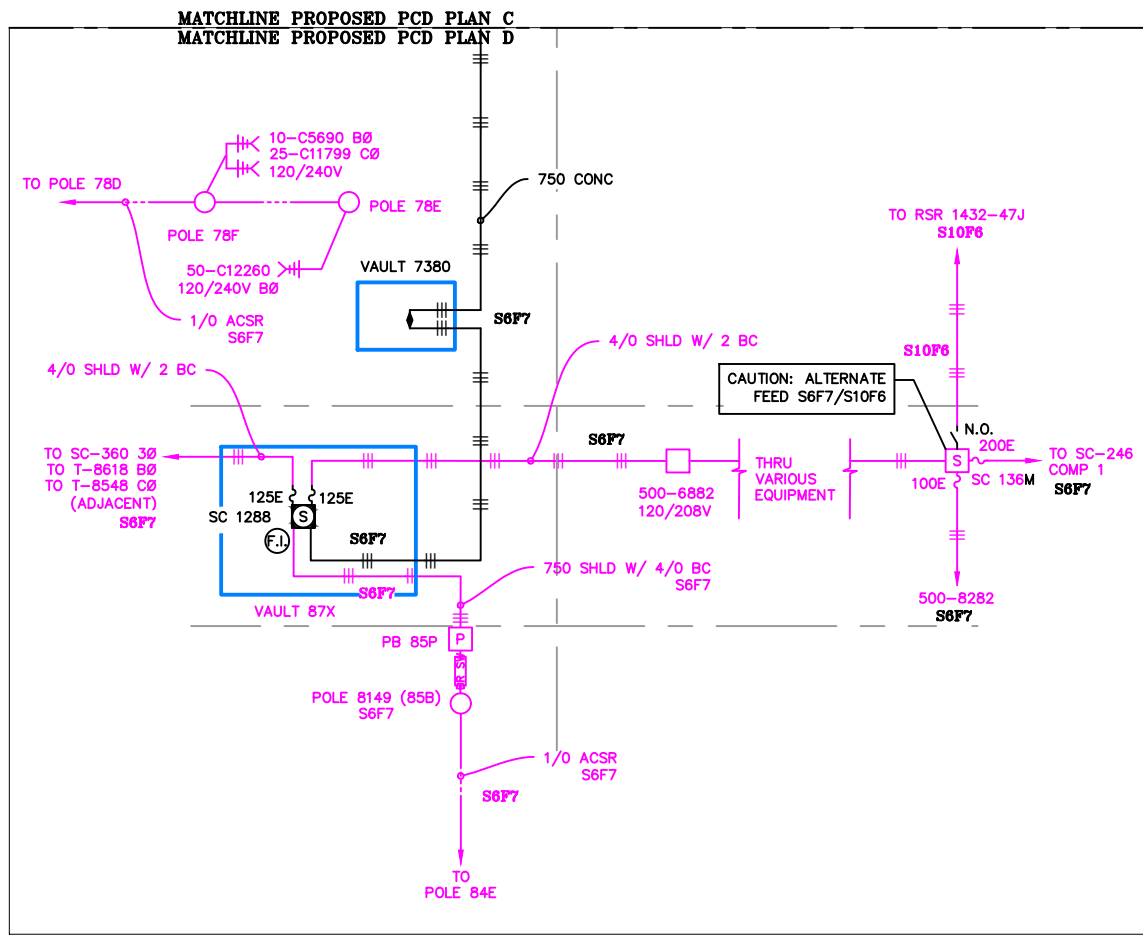
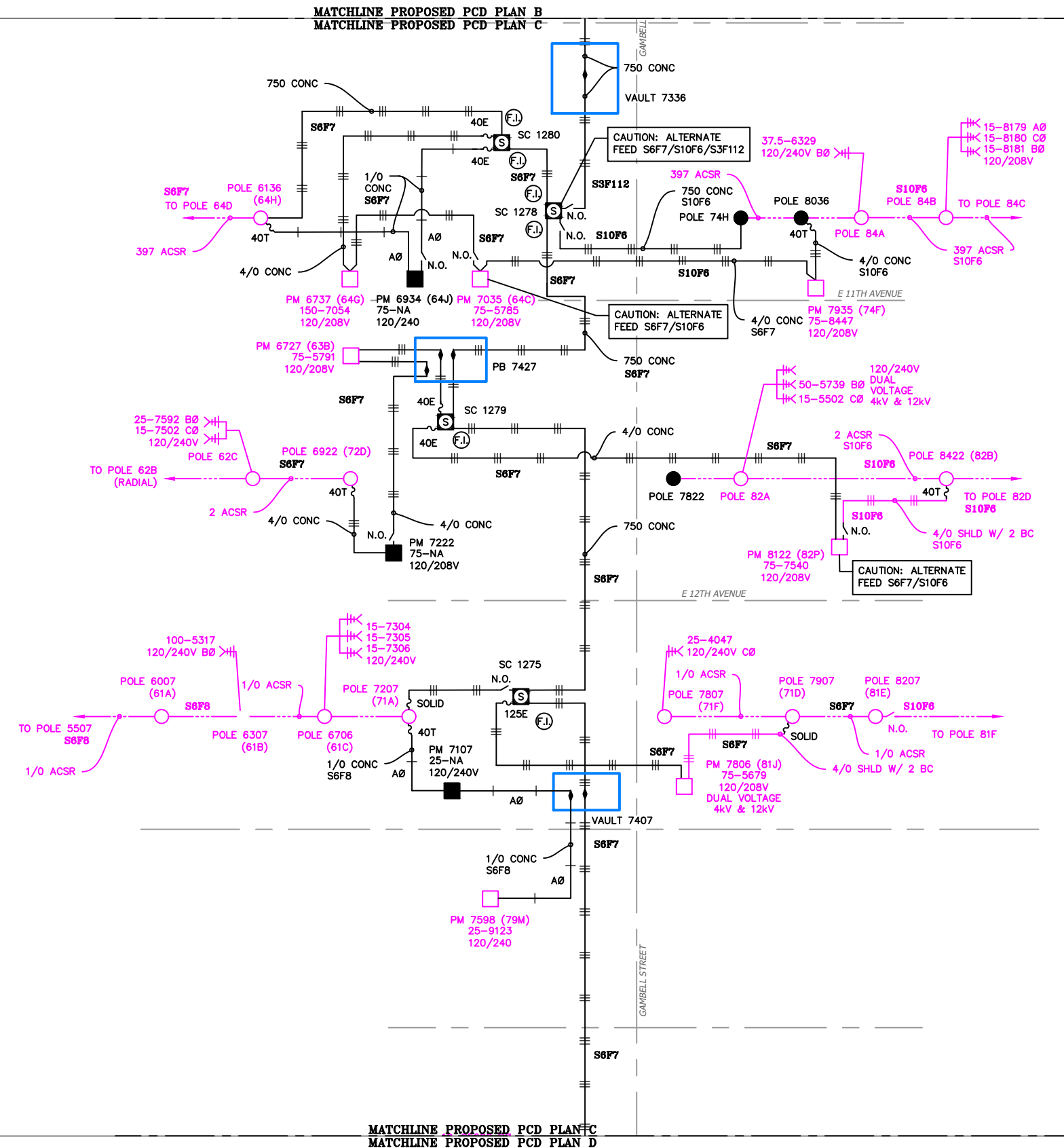
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 PROPOSED 12.47KV A - PCD

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 32 OF 46



VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
[Symbol]	[Symbol]	VAULT
[Symbol]	[Symbol]	JUNCTION BOX
[Symbol]	[Symbol]	SWITCH CABINET
[Symbol]	[Symbol]	PULLBOX
[Symbol]	[Symbol]	PADMOUNT XFMR
[Symbol]	[Symbol]	FUSED JUNCTION BOX
[Symbol]	[Symbol]	PRIMARY METER
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	PEDESTAL
[Symbol]	[Symbol]	NON-CEA POLE
[Symbol]	[Symbol]	POLE
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	DOWN GUY
[Symbol]	[Symbol]	FUSE
[Symbol]	[Symbol]	SPLICE POINT
[Symbol]	[Symbol]	1Ø OH XFMR
[Symbol]	[Symbol]	DELTA OH XFMR
[Symbol]	[Symbol]	3Ø OH XFMR
[Symbol]	[Symbol]	FIBER OPTIC
[Symbol]	[Symbol]	O.H. XMSSN
[Symbol]	[Symbol]	U.G. XMSSN
[Symbol]	[Symbol]	SPAN GUY
[Symbol]	[Symbol]	CONDUIT DIAMETER
[Symbol]	[Symbol]	1Ø U.G. PRIMARY
[Symbol]	[Symbol]	2Ø U.G. PRIMARY
[Symbol]	[Symbol]	3Ø U.G. PRIMARY
[Symbol]	[Symbol]	U.G. SECONDARY
[Symbol]	[Symbol]	U.G. SERVICE
[Symbol]	[Symbol]	1Ø O.H. PRIMARY
[Symbol]	[Symbol]	2Ø O.H. PRIMARY
[Symbol]	[Symbol]	3Ø O.H. PRIMARY
[Symbol]	[Symbol]	R.O.W. EASEMENT LINE
[Symbol]	[Symbol]	CENTERLINE OF TRENCH

COLOR LEGEND	
[Line Style]	NEW
[Line Style]	REFERENCE
[Line Style]	EXISTING
[Line Style]	RETIRE
[Line Style]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

EQUIPMENT TYPICAL STAKING
N.T.S.

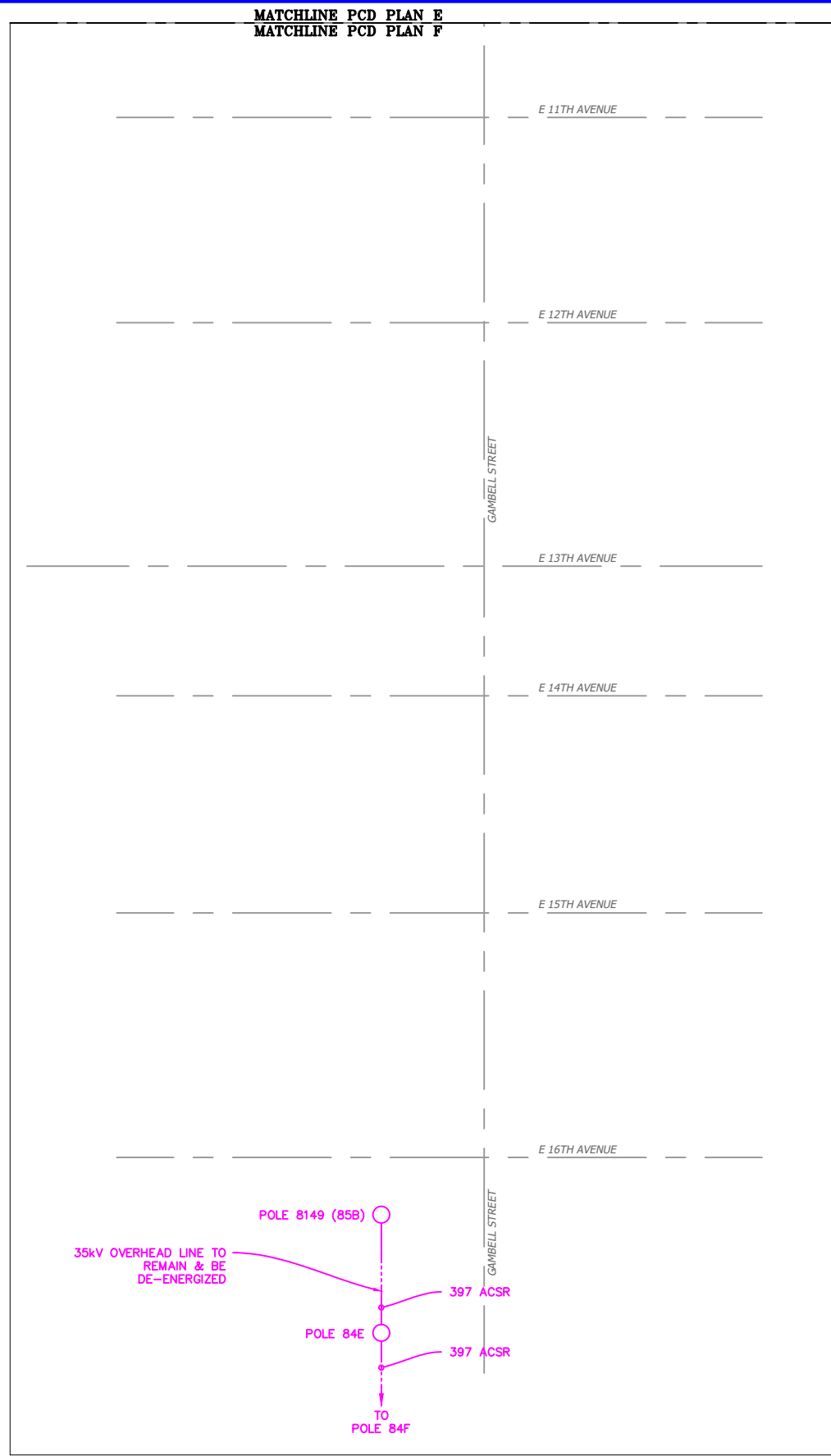
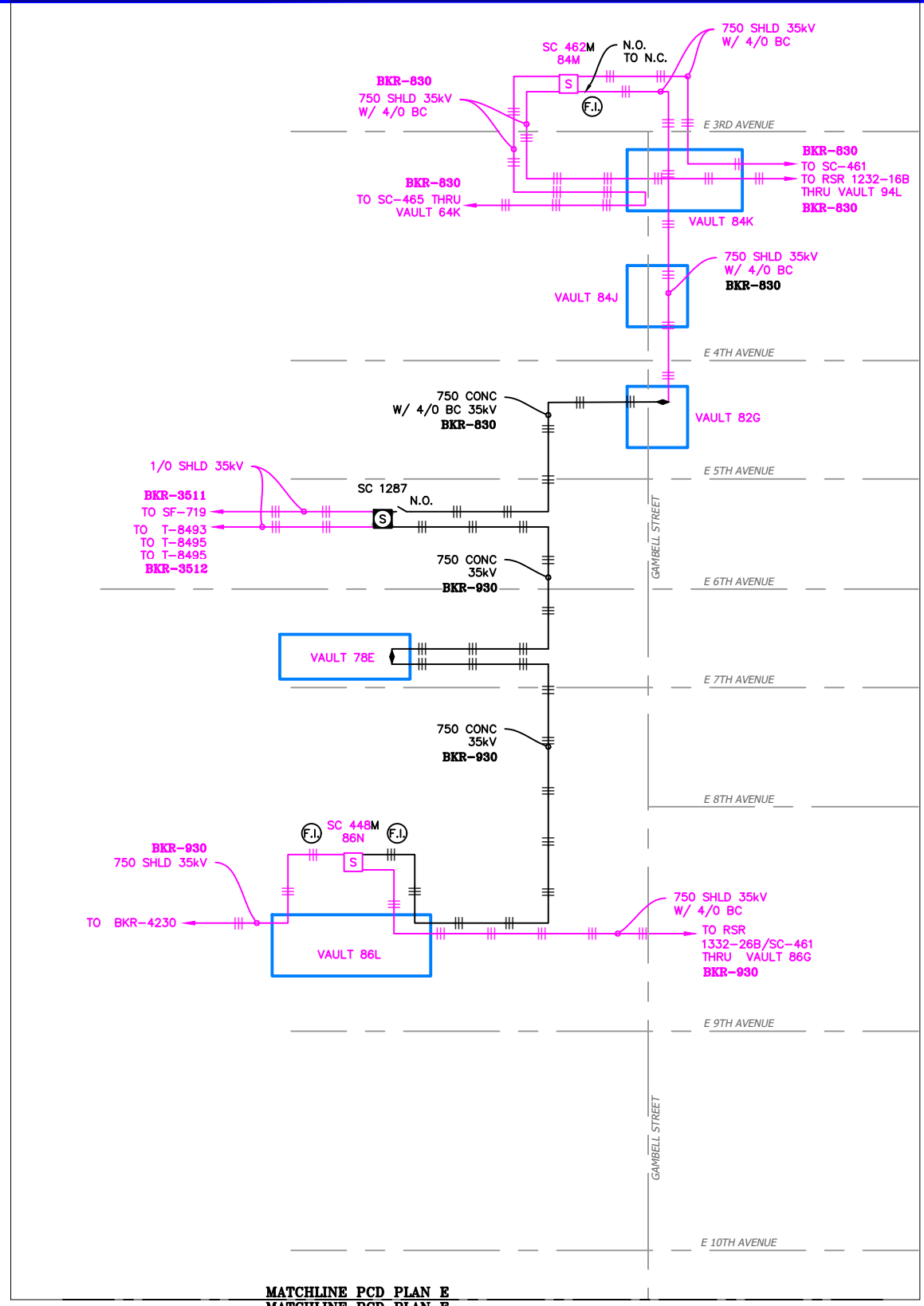
PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
GRIDS:	1231D, 1331B, 1331D, 1431		
FEEDER:	S6F7, S10F6, S3F112 / BREAKER 930		
PROPOSED:	12.47KV B - PCD		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
PAGE:	33		OF 46

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 34 of 46

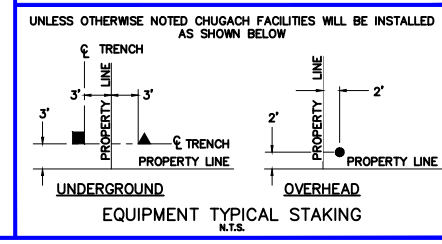


VICINITY KEY MAP
 N.T.S.

NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[▲]	[▲]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌒]	[⌒]	1Ø OH XFMR
[⌒⌒]	[⌒⌒]	DELTA OH XFMR
[⌒⌒⌒]	[⌒⌒⌒]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//]	[--//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Solid Black]	NEW
[Dashed Black]	REFERENCE
[Solid Pink]	EXISTING
[Solid Green]	RETIRE
[Solid Red]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

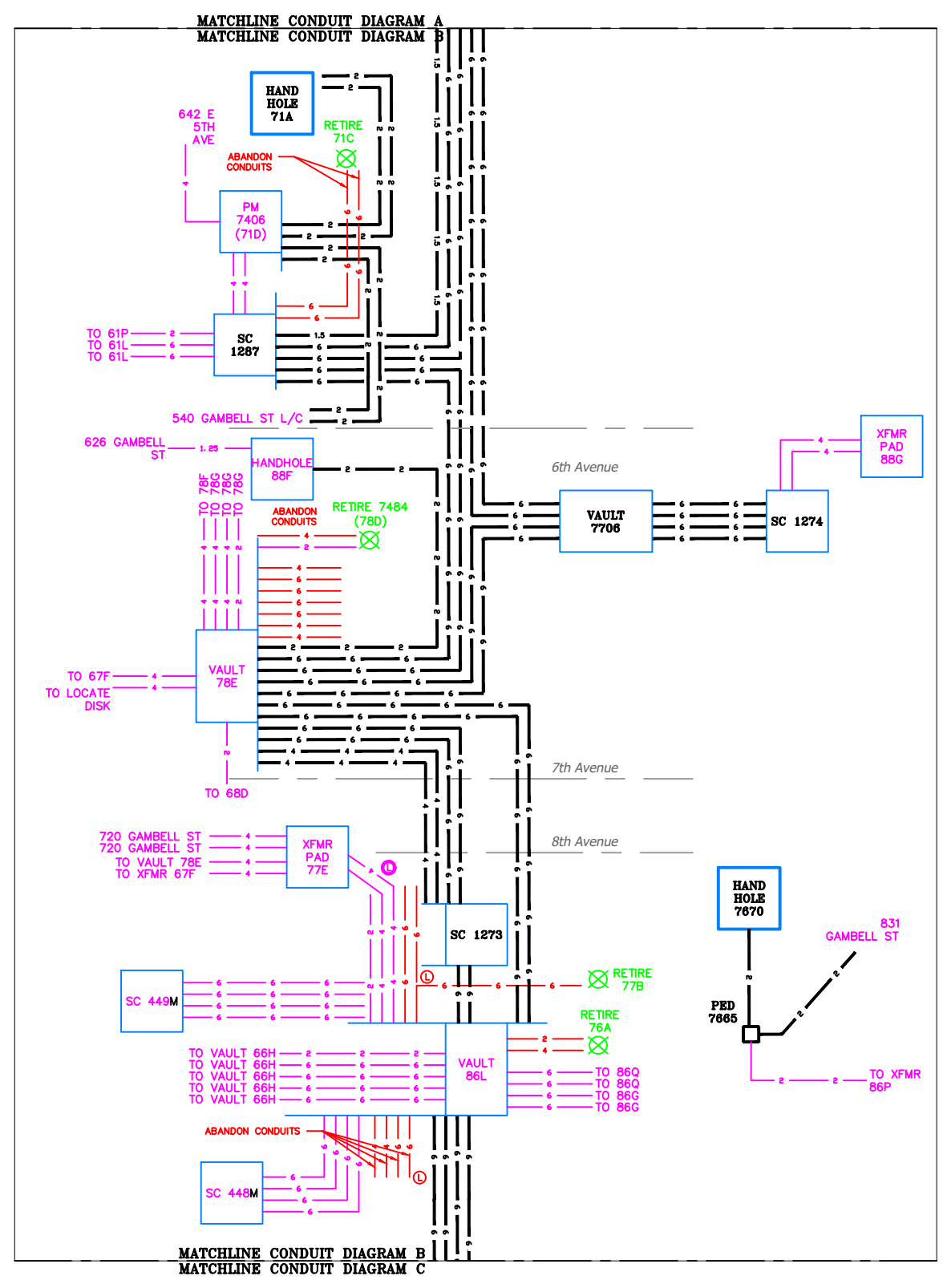
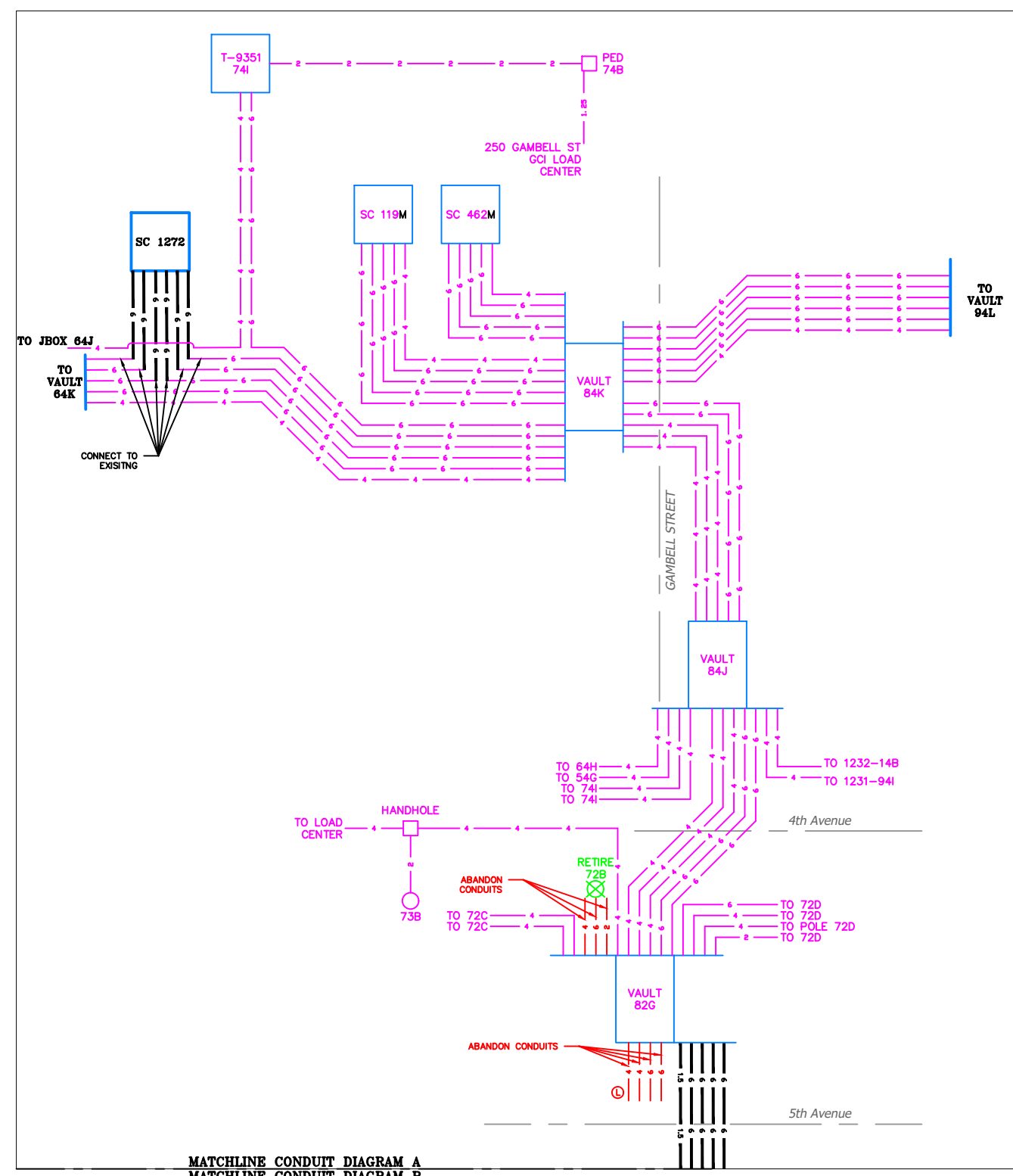
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 PROPOSED 34.5KV - PCD

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 34 OF 46



VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[○]	[○]	PEDESTAL
[●]	[●]	NON-CEA POLE
[●]	[●]	POLE
[*]	[*]	LIGHT
[→]	[→]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌒]	[⌒]	1Ø OH XFMR
[⌒⌒]	[⌒⌒]	DELTA OH XFMR
[⌒⌒⌒]	[⌒⌒⌒]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//]	[--//]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[]	[]	1Ø U.G. PRIMARY
[]	[]	2Ø U.G. PRIMARY
[]	[]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Solid Blue]	NEW
[Dashed Blue]	REFERENCE
[Solid Green]	EXISTING
[Dashed Green]	RETIRE
[Solid Red]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

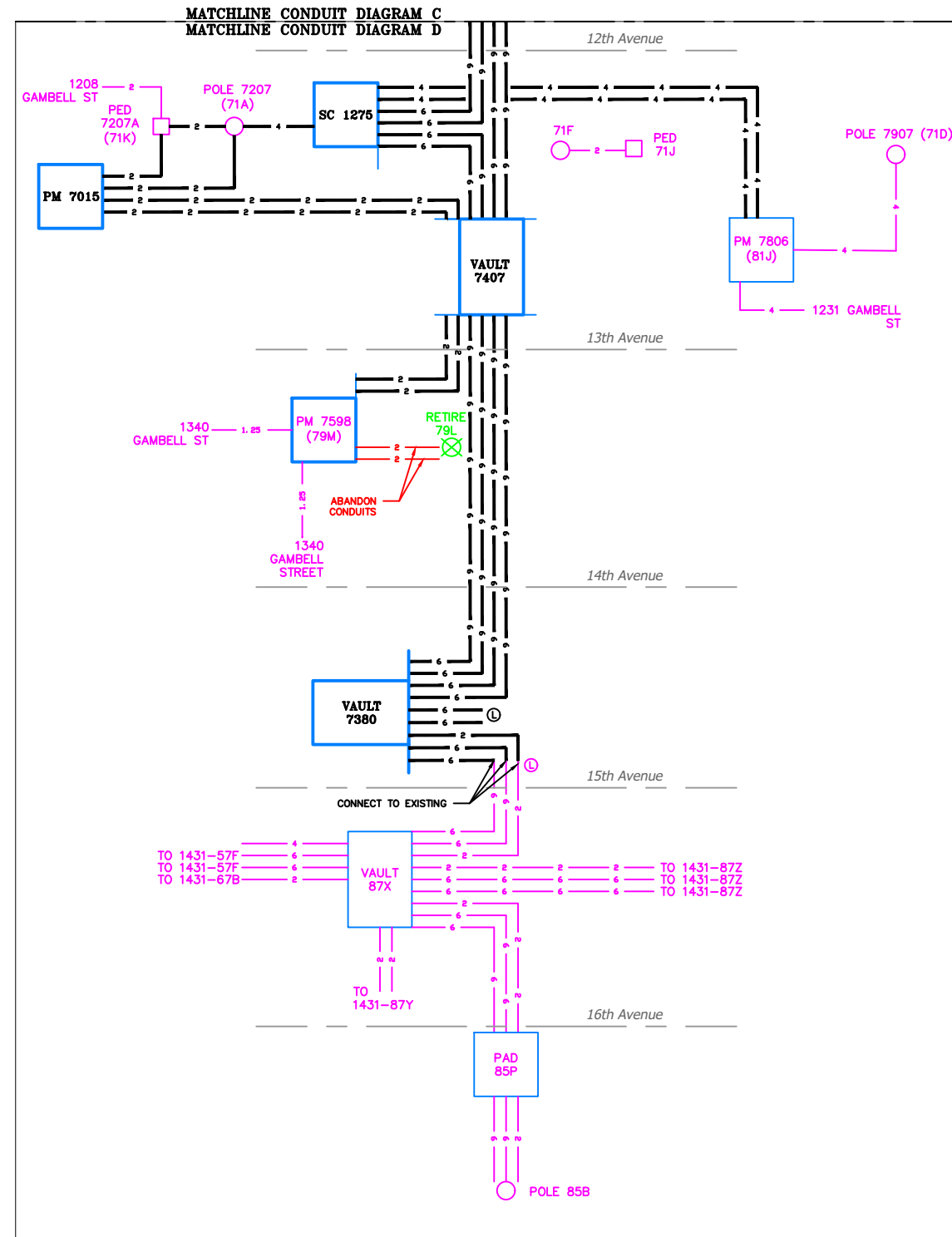
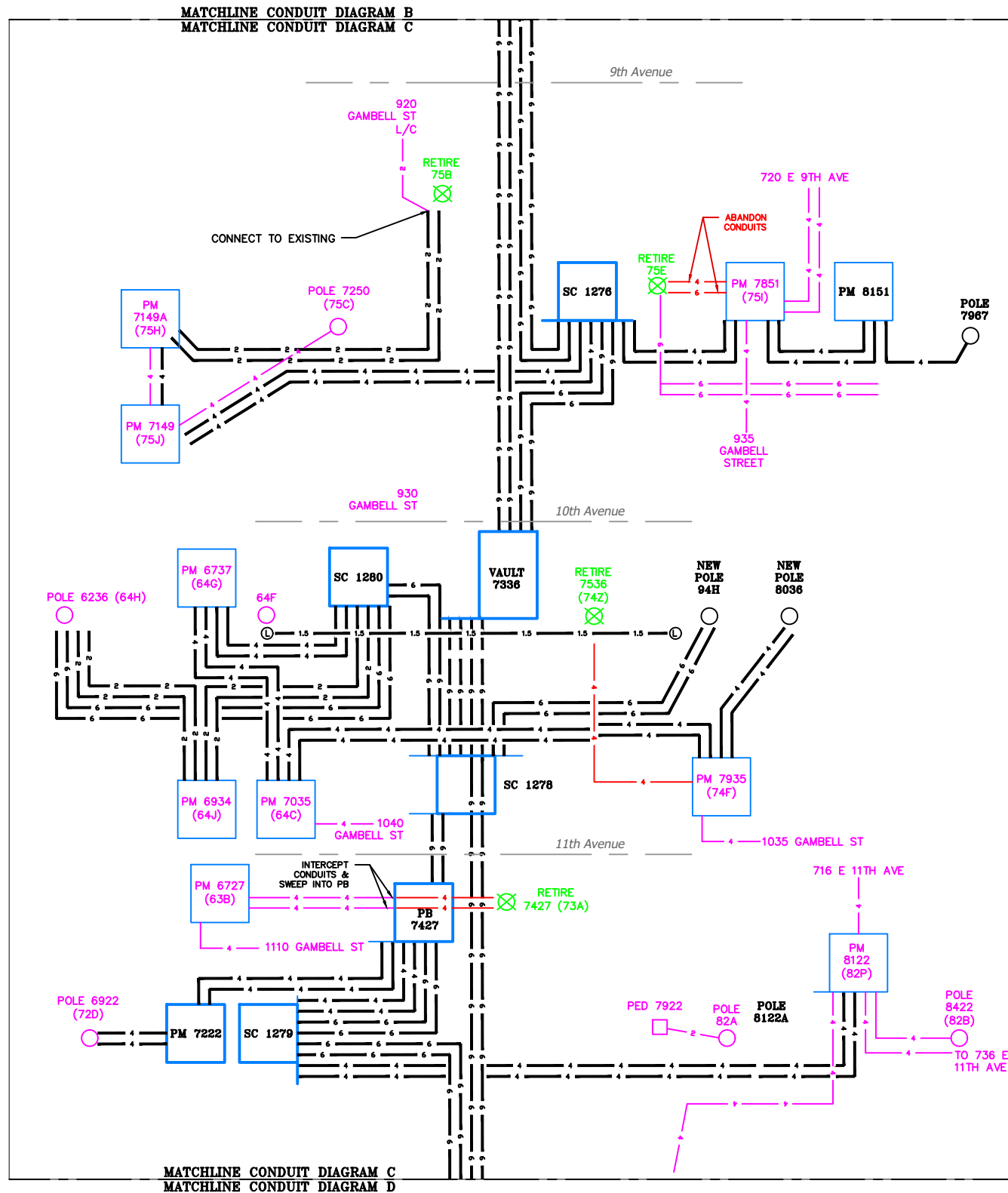
EQUIPMENT TYPICAL STAKING
N.T.S.

PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 CONDUIT DIAGRAM A & B		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
	PAGE 35 OF 46		



VICINITY KEY MAP
N.T.S.

LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[H]	[H]	HANDHOLE
[P]	[P]	PEDESTAL
[N]	[N]	NON-CEA POLE
[O]	[O]	POLE
[L]	[L]	LIGHT
[D]	[D]	DOWN GUY
[F]	[F]	FUSE
[S]	[S]	SPLICE POINT
[X]	[X]	1Ø OH XFMR
[X]	[X]	DELTA OH XFMR
[X]	[X]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[H]	[H]	O.H. XMSSN
[H]	[H]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[1Ø]	[1Ø]	1Ø U.G. PRIMARY
[2Ø]	[2Ø]	2Ø U.G. PRIMARY
[3Ø]	[3Ø]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Solid Line]	NEW
[Dashed Line]	REFERENCE
[Pink Line]	EXISTING
[Green Line]	RETIRE
[Red Line]	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

EQUIPMENT TYPICAL STAKING
N.T.S.

PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP



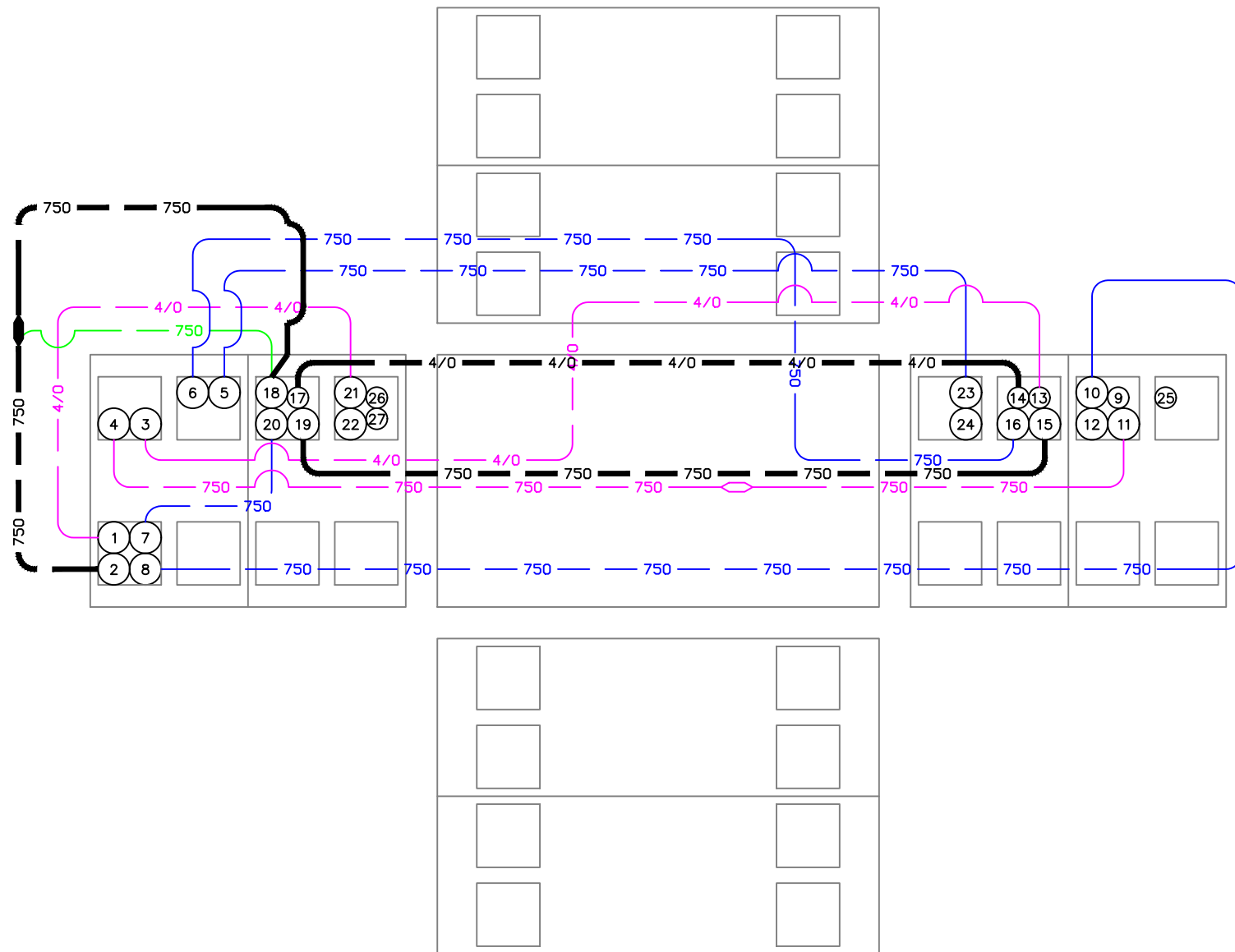
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 CONDUIT DIAGRAM C & D		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
	PAGE 36 OF 46		

VAULT DETAIL 1231-84K
(8'x14') N.T.S.

Permit No: 1-134200-25-130
Lat: 61.21263800
Long: -149.87103100
Date: 04/21/2026
Page 37 of 46

ITEM No.	DUCT SIZE	DESCRIPTION
1	6"	15kv 4/0 SHLD w/ #2 BC TO SC 119M COMP 4 AT 1231-84L
2	6"	15kv 750 CONC TO SC 119M COMP 2 AT 1232-84L
3	6"	15kv 4/0 SHLD w/ #2 BC TO SC 119M COMP 3 AT 1231-84L
4	6"	15kv 750 SHLD w/ 4/0 BC TO SC 119M COMP 1 AT 1231-84L
5	6"	35kv 750 SHLD w/ 4/0 BC TO SC 462M WAY 4 1232-84M
6	6"	35kv 750 SHLD w/ 4/0 BC TO SC 462M WAY 3 1232-84M
7	6"	35kv 750 SHLD w/ 4/0 BC TO SC 462M WAY 2 1232-84M
8	6"	35kv 750 SHLD w/ 4/0 BC TO SC 462M WAY 1 1232-84M
9	4"	VACANT TO VAULT 1231-94L
10	6"	35kv 750 SHLD w/ 4/0 BC TO RSR 1232B VIA VAULT 1231-94L
11	6"	15kv 750 SHLD w/ 4/0 BC TO VAULT 1231-94L
12	6"	VACANT TO VAULT 1231-94L
13	4"	15kv 4/0 SHLD w/ #2 BC TO T8949 (AØ) & T9109 (BCØ) VIA VAULT 1231-84J
14	4"	VACANT TO VAULT 1231-84J 15kv 4/0 CONC TO T-7230 THRU VAULTS 84J, 82G
15	6"	VACANT TO VAULT 1231-84J 15kv 750 CONC TO SC 1274 COMP 2 VIA VAULTS 84J, 82G, 7706
16	6"	35kv 750 SHLD w/ 4/0 BC TO SC 1287 WAY 1 VIA VAULT 1231-84J
17	4"	VACANT TO VAULT 1231-64K 15kv 4/0 CONC TO SC 1272 COMP 3
18	6"	15kv 750 KCM WS TO VAULT 1231-64K 15kv 750 CONC TO SC 1272 COMP 4
19	6"	VACANT TO VAULT 1231-64K 15kv 750 CONC TO SC 1272
20	6"	35kv 750 SHLD w/ 4/0 BC TO SC 465 WAY 2 VIA VAULT 1231-64K
21	6"	15kv 4/0 SHLD w/ #2 BC TO T-9351 (CØ) & JB-10 (ABØ)
22	6"	VACANT TO VAULT 1231-64K
23	6"	35kv 750 SHLD w/ 4/0 BC TO SC 461 WAY 4 VIA VAULT 1231-94L
24	6"	VACANT TO VAULT 1231-94L
25	4"	VACANT TO VAULT 1231-84L
26	4"	VACANT TO SC 119M AT 1231-84L
27	4"	VACANT TO SC 462M AT 1231-84M

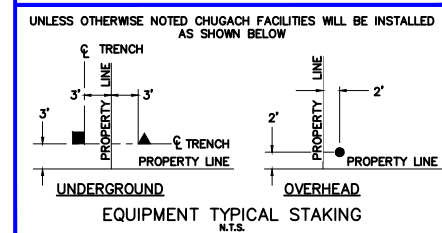


VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP



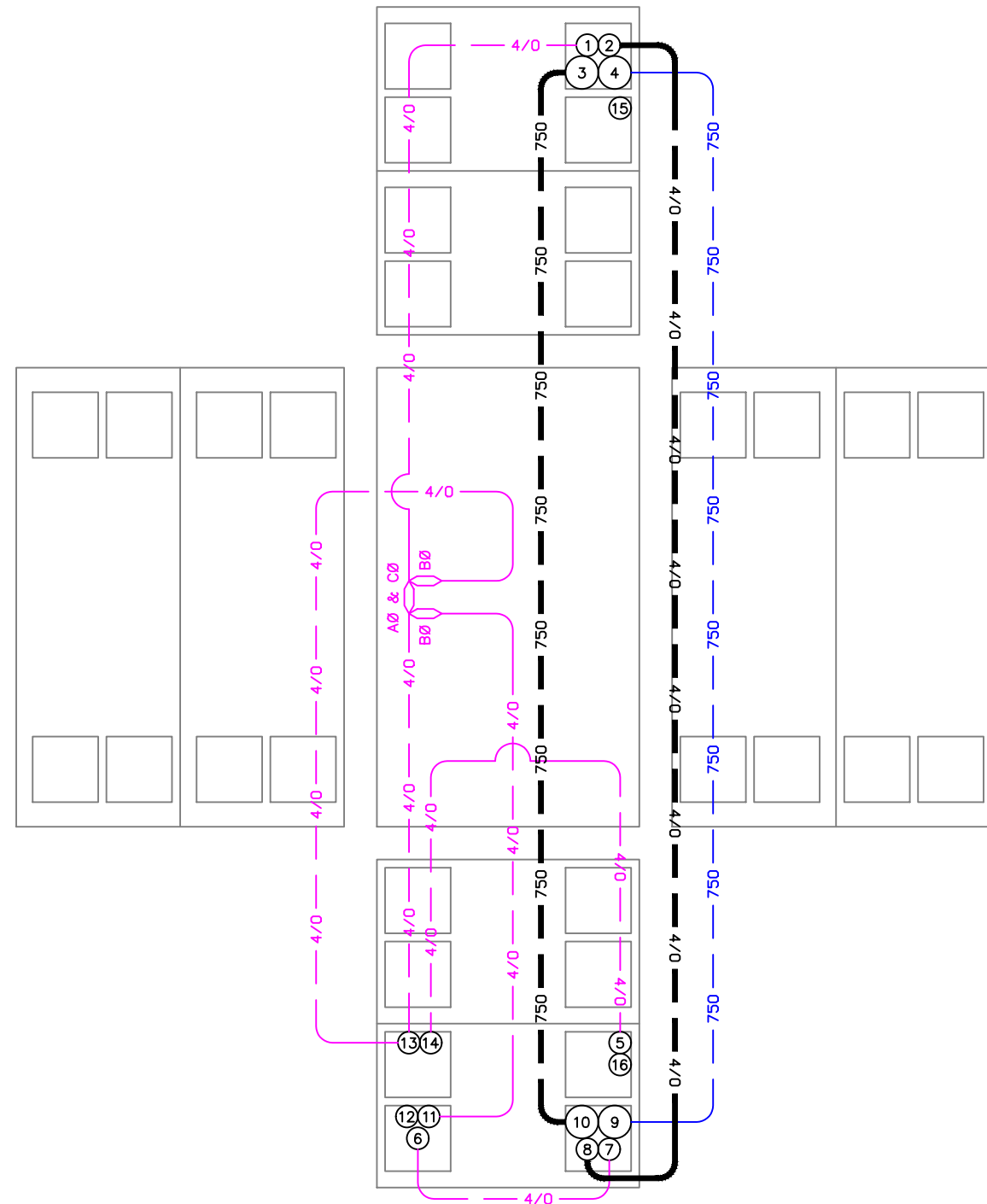
Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT
	GRIDS: 1231D, 1331B, 1331D, 1431
	FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
	VAULT DETAIL 1231-84K
W.O. NO.:	P1900043
	P1900043 FINAL.dwg
	PAGE 37 OF 46

VAULT DETAIL 1231-84J

(8'x14') N.T.S.

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 38 of 46



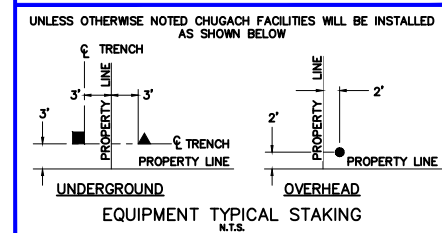
ITEM No.	DUCT SIZE	DESCRIPTION
1	4"	15kV 4/0 SHLD w/ #2 BC TO SC 119M COMP 3 VIA VAULT 1231-84K
2	4"	VACANT 15kV 4/0 CONC TO SC 1272 COMP 3 VIA VAULT 1231-84K
3	6"	VACANT TO VAULT 1231-84K 15kV 750 CONC TO SC 1272 COMP 2 VIA VAULT 1231-84K
4	6"	35kV 750 SHLD w/ 4/0 BC TO SC 462M WAY 3 VIA VAULT 1231-84K
5	4"	15kV 4/0 SHLD w/ #2 BC TO T-8263 AT 13A VIA PP 14E
6	4"	15kV 4/0 SHLD w/ #2 BC TO T-8955 AT 1231-94I
7	4"	15kV 4/0 AL W/S w/ #2 BC TO SF-799 IN VAULT 1232-82G 15kV 4/0 SHLD w/ #2 BC TO POLE 7819 (72D) THRU VAULT 1231-82G
8	4"	VACANT 15kV 4/0 CONC TO PM 7230 AT 72C VIA VAULT 1231-82G
9	6"	35kV 750 SHLD w/ 4/0 BC SC 1287 WAY 1 VIA VAULT 1231-82G
10	6"	VACANT TO VAULT 1231-82G 15kV 750 CONC TO SC 1274 COMP 2 VIA VAULT 1231-82G, VAULT 7706
11	4"	15kV 4/0 SHLD w/ #2 BC TO T-8890 (BØ) AT 1231-74I
12	4"	15kV 4/0 SHLD w/ #2 BC TO T-8890 (BØ) AT 1231-74I
13	4"	15kV 4/0 SHLD w/ #2 BC TO T-8949 AT 1231-64H
14	4"	15kV 4/0 SHLD w/ #2 BC TO T-9109 AT 1231-54G
15	4"	VACANT TO VAULT 1231-84K
16	4"	VACANT TO VAULT AT 1231-82G

VICINITY KEY MAP
N.T.S.

LEGEND		
NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP



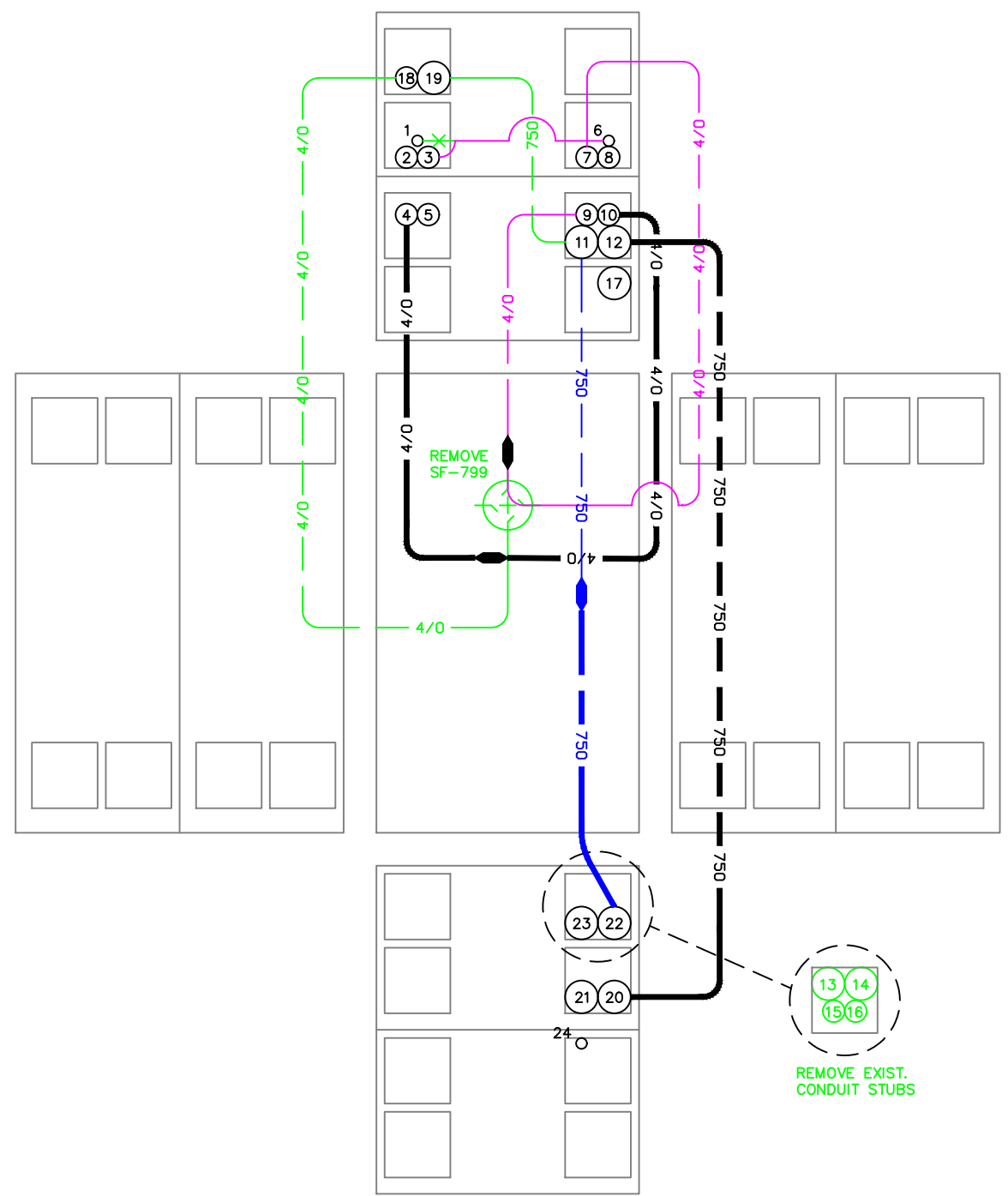
Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 VAULT DETAIL 1231-84J		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
	PAGE 38 OF 46		

VAULT DETAIL 1231-82G

(8'x14') N.T.S.

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 39 of 46



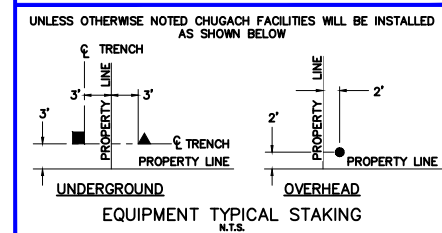
ITEM No.	DUCT SIZE	DESCRIPTION
1	2"	600V 4/0 AL TPX TO POLE 1231-72B ABANDONED
2	4"	VACANT TO VAULT 1231-84J
3	4"	600V 4/0 TPX NORTH TO TRAFFIC SIGNAL LOAD CENTER VIA 73C
4	4"	15kV 4/0 CONC TO T-7230 AT 1231-72C
5	4"	VACANT TO T-7230 AT 1231-72C
6	2"	600V 4/0 AL TPX TO POLE 7819 1231-72D
7	4"	15kV 4/0 SHLD w/ #2 BC TO POLE 7819 AT 1231-72D
8	4"	VACANT TO POLE 7819 AT 1231-72D
9	4"	15kV 4/0 CONC w/ #2 BC TO T-8955 (CØ), T-8478 (3Ø) THRU VAULT 1231-84J
10	4"	VACANT TO VAULT AT 1231-84J 15kV 4/0 CONC TO SC 1272 COMP 3 VIA VAULT 1231-84J, VAULT 1231-84K
11	6"	35kV 750 SHLD w/ 4/0 BC TO SC 462M WAY 3 VIA VAULT 1231-84J
12	6"	VACANT TO VAULT 1231-84J 15kV 750 CONC TO SC 1272 COMP 2 VIA VAULT 1231-84J, VAULT 1231-84K
13	6"	VACANT STUBBED OUT SOUTH ABANDONED
14	6"	VACANT STUBBED OUT SOUTH ABANDONED
15	6"	VACANT STUBBED OUT SOUTH ABANDONED
16	6"	VACANT STUBBED OUT SOUTH ABANDONED
17	6"	VACANT TO POLE 7819 AT 1231-72D
18	4"	15kV 4/0 AL WS w/ #2 BC TO POLE 1231-72B ABANDONED
19	6"	35kV 750 AL WS TO POLE 1231-72B ABANDONED
20	6"	15kV 750 CONC TO SC 1274 COMP 1 VIA VAULT 7706
21	6"	VACANT TO VAULT 7706
22	6"	35kV 750 CONC w/ 4/0 BC TO SC 1287 WAY 1
23	6"	VACANT TO SC 1287
24	1.5"	VACANT TO SC 1287

VICINITY KEY MAP N.T.S.

LEGEND		
NEW	EXISTING	DESC.
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[▲]	[▲]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[•]	[•]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⌒]	[⌒]	1Ø OH XFMR
[⌒⌒]	[⌒⌒]	DELTA OH XFMR
[⌒⌒⌒]	[⌒⌒⌒]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//--]	[--//--]	U.G. XMSSN
[X]	[X]	SPAN GUY
[— 2" —]	[— 2" —]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Black]	NEW
[Grey]	REFERENCE
[Pink]	EXISTING
[Green]	RETIRE
[Red]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	-

ENG. STAMP

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

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
 VAULT DETAIL 1231-82G

W.O. NO.: **P1900043**

P1900043 FINAL.dwg
 PAGE 39 OF 46



VAULT DETAIL 7706

(6'x10') N.T.S.

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 40 of 46

ITEM No.	DUCT SIZE	DESCRIPTION
1	6"	VACANT TO VAULT 78E
2	6"	15kV 750 CONC TO SC 1273 COMP 1 THRU VAULT 78E
3	6"	VACANT TO VAULT 82G
4	6"	15kV 750 CONC TO SC 1272 COMP 2 THRU VAULTS 82G, 84J, 84K
5	6"	VACANT TO SC 1274
6	6"	15kV 750 CONC TO SC 1274 COMP 1
7	6"	VACANT TO SC 1274
8	6"	15kV 750 CONC TO SC 1274 COMP 2

VICINITY KEY MAP
N.T.S.

LEGEND

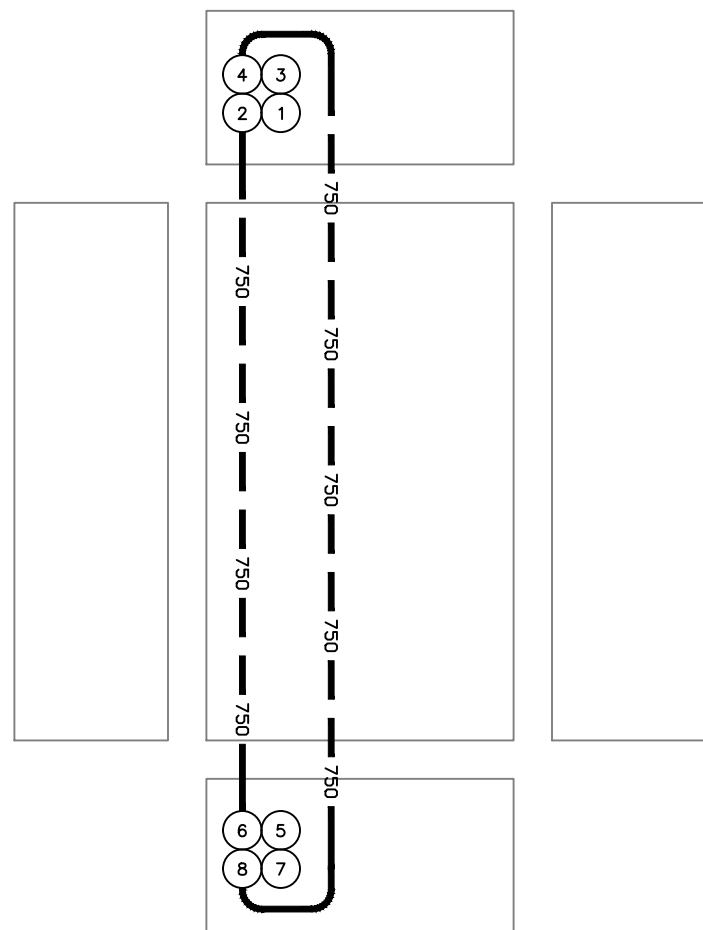
NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

EQUIPMENT TYPICAL STAKING
N.T.S.



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP



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

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 NEW VAULT DETAIL 7706		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
	PAGE 40 OF 46		

VAULT DETAIL 1331-78E
(8'x14') N.T.S.

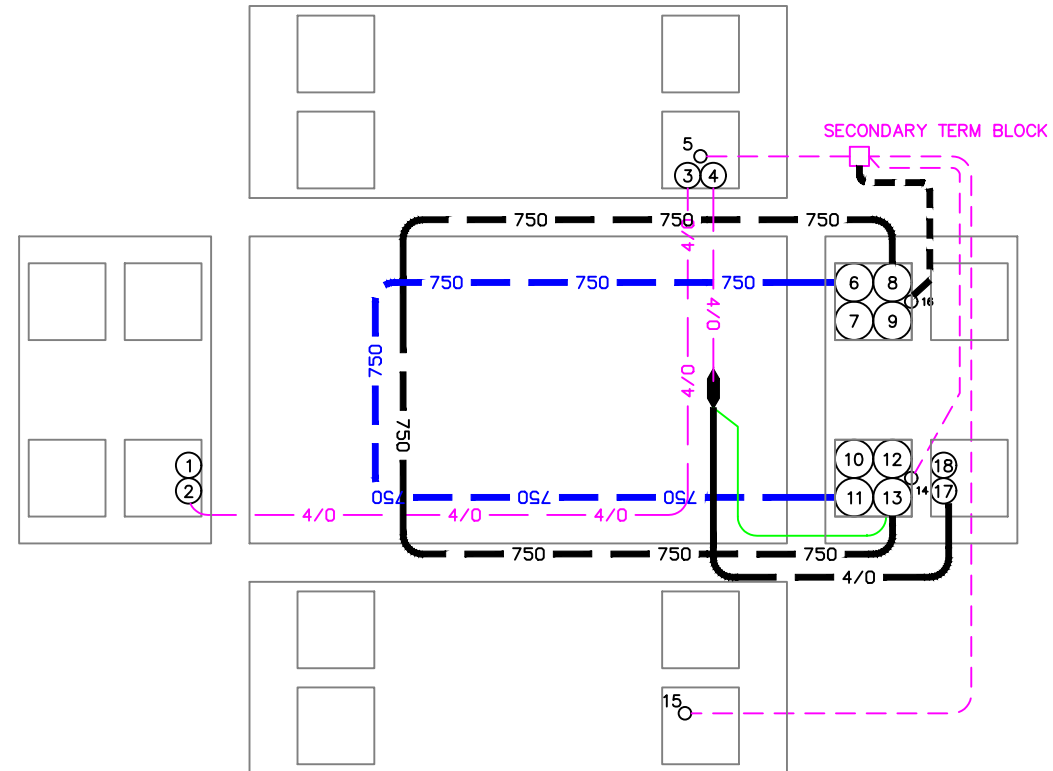
Permit No: 1-134200-25-130
Lat: 61.21263800
Long: -149.87103100
Date: 04/21/2026
Page 41 of 46

ITEM No.	DUCT SIZE	DESCRIPTION
1	4"	VACANT TO T-7351 AT 1331-77E
2	4"	15kv 4/0 SHLD w/ #2 BC TO T-7548 AT 1331-67F
3	4"	15kv 4/0 SHLD w/ #2 BC TO T-8424 & 8519 AT 1331-78F
4	4"	15kv 4/0 SHLD w/ #2 BC TO T-9135 (AØ) AT 1331-78G, T-9078 (BCØ) AT 1331-79C
5	2"	600V 4/0 AL TPX TO T-9135 AT 1331-78G
6	6"	VACANT TO LOCATE DISK AT GAMBELL STREET 35kv 750 CONC TO SC 1287 WAY 2
7	4" 6"	VACANT TO LOCATE DISK AT GAMBELL STREET VACANT TO SC 1287
8	6"	VACANT TO LOCATE DISK AT GAMBELL STREET 15kv 750 CONC TO SC 1274 COMP 1 VIA VAULT 7706
9	4" 6"	VACANT TO LOCATE DISK AT GAMBELL STREET VACANT TO VAULT 7706
10	6"	VACANT TO LOCATE DISK AT GAMBELL STREET VACANT TO VAULT 86L
11	6"	VACANT TO LOCATE DISK AT GAMBELL STREET 35kv 750 CONC TO SC 448M WAY 2 VIA VAULT 86L
12	4" 6"	VACANT TO LOCATE DISK AT GAMBELL STREET VACANT TO SC 1273
13	4" 6"	3-15kv 4/0 AL WS w/ #2 BC TO POLE 1331-78D 15kv 750 CONC TO SC 1273 COMP 1
14	2"	1-600V #4/0 AL TPX TO POLE 1331-78D
15	2"	600V #2 AL TPX TO STREET LIGHT 1331-68D
16	2"	600V 4/0 RIBB TO HANDHOLE 1331-88F
17	4"	15kv 4/0 CONC w/ #2 BC TO SC 1273 COMP 4
18	4"	VACANT TO SC 1273

VICINITY KEY MAP N.T.S.

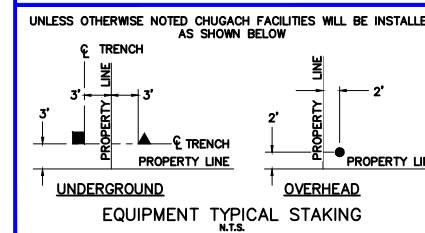
LEGEND

NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH



COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: **GAMBELL STREET: OH TO UG T-21 PROJECT**

DESIGNER/PROJECT ENGINEER: **M. SALVANERA** W.O. #: **P1900043**

NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

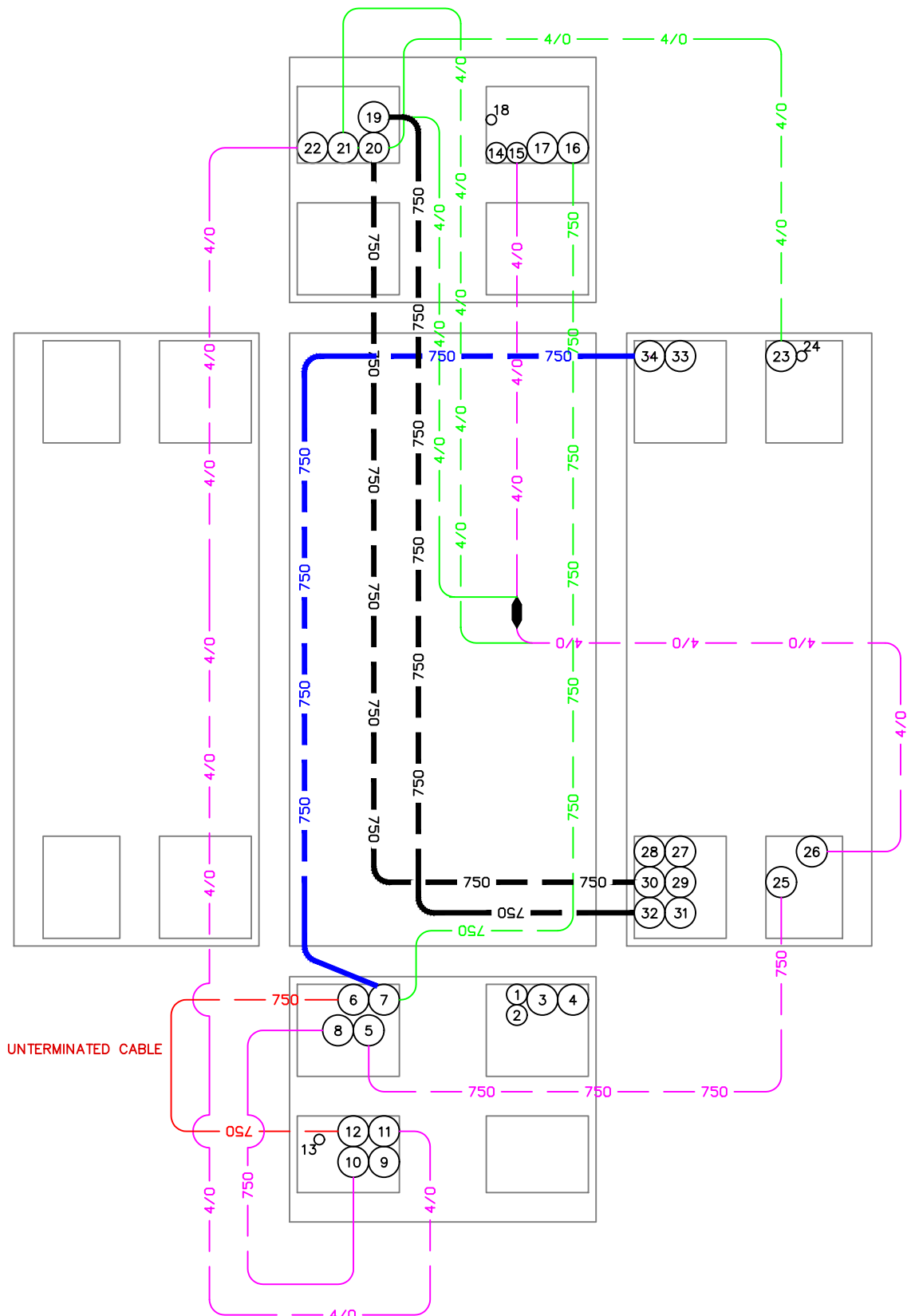
GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
VAULT DETAIL 1331-78E

W.O. NO.: **P1900043** P1900043 FINAL.dwg

PAGE **41** OF **46**

VAULT DETAIL 1331-86L
(8'x20') N.T.S.

Permit No: 1-134200-25-130
Lat: 61.21263800
Long: -149.87103100
Date: 04/21/2026
Page 42 of 46



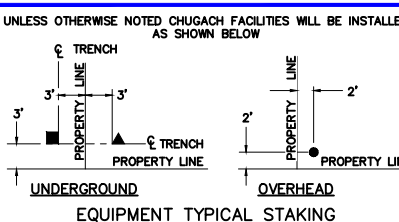
ITEM No.	DUCT SIZE	DESCRIPTION
1	4"	VACANT STUBBED OUT SOUTH ABANDONED
2	4"	VACANT STUBBED OUT SOUTH ABANDONED
3	6"	VACANT STUBBED OUT SOUTH ABANDONED
4	6"	VACANT STUBBED OUT SOUTH ABANDONED
5	6"	35kV 750 SHLD w/ 4/0 BC TO SC 448M WAY 1
6	6"	35kV 750 SHLD w/ 4/0 BC TO SC 448M (ABANDONED IN PLACE)
7	6"	35kV 750 SHLD w/ 4/0 BC TO SC 448M 35kV 750 CONC TO SC 448M WAY 2 VIA V78E
8	6"	35kV 750 SHLD w/ 4/0 BC TO SC 448M WAY 3
9	6"	VACANT TO VAULT 1331-66H
10	6"	35kV 750 SHLD w/ 4/0 BC TO SUB 6 BRK 4230 VIA VAULT 1331-66H
11	6"	15kV 4/0 SHLD w/ #2 BC TO T-9018, T-9069, T-9116, THRU VAULT 1331-66H
12	6"	35kV 750 SHLD w/ 4/0 BC TO RISER 1331-66Y (SUB 1), (ABANDONED IN PLACE)
13	2"	VACANT TO VAULT 1331-66H
14	4"	VACANT TO T-7351 AT 1331-77E
15	4"	15kV 4/0 SHLD w/#2 BC TO T-7351 AT 1331-77E
16	6"	3-35kV 750kCM w/ 4/0 BC TO RISER 1331-77B ABANDONED, REMOVE STUB OUT
17	6"	VACANT STUBBED OUT NORTH
18	2"	VACANT STUBBED OUT NORTH
19	6"	3-15kV 4/0 AL WS w/#2 BC TO SC 449 COMP 1 15kV 750 CONC TO SC 449M COMP 1
20	6"	3-15kV 4/0 AL WS w/#2 BC TO SC 449 COMP 2 15kV 750 CONC TO SC 449M COMP 2
21	6"	15kV 4/0 SHLD w/ #2 BC TO SC 449 COMP 3 VACANT TO SC 449M
22	6"	15kV 4/0 SHLD w/ #2 BC TO SC 449M COMP 4
23	6"	3-15kV 4/0 AL WAS w/#2 BC TO RISER 1331-76A ABANDONED
24	2"	VACANT TO POLE 1331-76A ABANDONED
25	6"	35kV 750 SHLD w/ 4/0 BC TO RISER 1332-26B THRU VAULT 86G, 87A, 97C, 97D
26	6"	15kV 4/0 SHLD w/ #2 BC TO T-9004 AT 1331-86Q
27	6"	VACANT TO VAULT 7336
28	6"	VACANT TO VAULT 7336
29	6"	VACANT TO SC 1273
30	6"	15kV 750 CONC TO SC 1273 COMP 2
31	6"	VACANT TO SC 1276
32	6"	15kV 750 CONC TO SC 1276 COMP 1
33	6"	VACANT TO VAULT 78E
34	6"	35kV 750 CONC TO SC 1287 WAY 2 THRU VAULT 78E

VICINITY KEY MAP
N.T.S.

LEGEND		DESC.
NEW	EXISTING	
[V]	[V]	VAULT
[J]	[J]	JUNCTION BOX
[S]	[S]	SWITCH CABINET
[P]	[P]	PULLBOX
[F]	[F]	PADMOUNT XFMR
[M]	[M]	FUSED JUNCTION BOX
[M]	[M]	PRIMARY METER
[▲]	[▲]	HANDHOLE
[●]	[●]	PEDESTAL
[⊗]	[⊗]	NON-CEA POLE
[●]	[○]	POLE
[*]	[*]	LIGHT
[↓]	[↓]	DOWN GUY
[~]	[~]	FUSE
[◇]	[◇]	SPLICE POINT
[⊕]	[⊕]	1Ø OH XFMR
[⊕⊕]	[⊕⊕]	DELTA OH XFMR
[⊕⊕⊕]	[⊕⊕⊕]	3Ø OH XFMR
[FO]	[FO]	FIBER OPTIC
[//]	[//]	O.H. XMSSN
[--//--]	[--//--]	U.G. XMSSN
[X]	[X]	SPAN GUY
[2"]	[2"]	CONDUIT DIAMETER
[+]	[+]	1Ø U.G. PRIMARY
[=]	[=]	2Ø U.G. PRIMARY
[≡]	[≡]	3Ø U.G. PRIMARY
[---]	[---]	U.G. SECONDARY
[---]	[---]	U.G. SERVICE
[---]	[---]	1Ø O.H. PRIMARY
[---]	[---]	2Ø O.H. PRIMARY
[---]	[---]	3Ø O.H. PRIMARY
[---]	[---]	R.O.W. EASEMENT LINE
[---]	[---]	CENTERLINE OF TRENCH

COLOR LEGEND

[Solid Blue]	NEW
[Dashed Blue]	REFERENCE
[Solid Green]	EXISTING
[Dashed Green]	RETIRE
[Solid Red]	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP



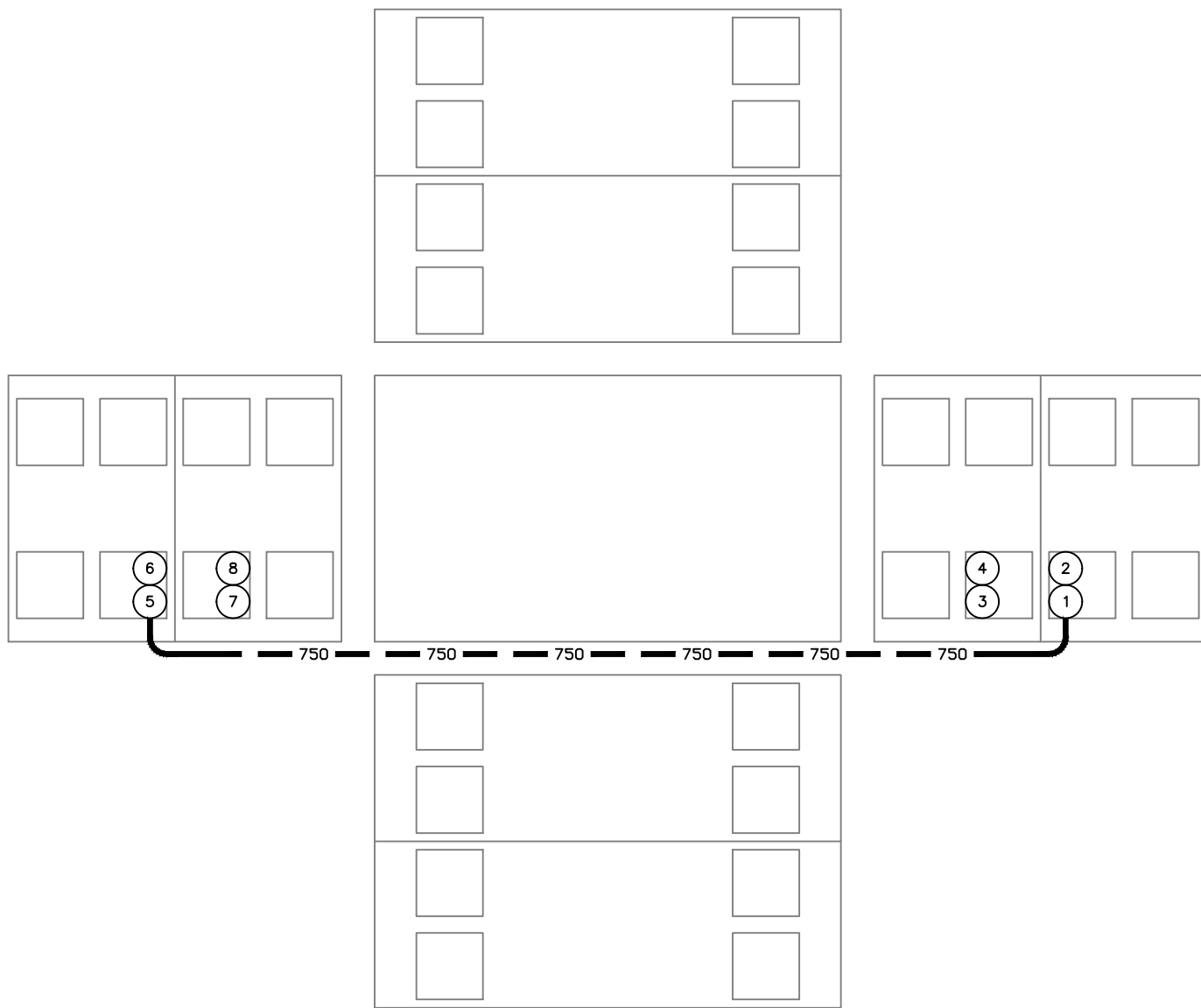
Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT
	GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 VAULT DETAIL 1331-86L
W.O. NO.:	P1900043
	P1900043 FINAL.dwg
	PAGE 42 OF 46

NEW VAULT DETAIL 7336
(8'x14') N.T.S.

Permit No: 1-134200-25-130
Lat: 61.21263800
Long: -149.87103100
Date: 04/21/2026
Page 43 of 46

ITEM No.	DUCT SIZE	DESCRIPTION
1	6"	15kV 750 CONC TO SC 1276 COMP 2
2	6"	VACANT TO SC 1276
3	6"	VACANT TO VAULT 86L
4	6"	VACANT TO VAULT 86L
5	6"	15kV 750 CONC TO SC 1278 COMP 4
6	6"	VACANT TO SC 1278
7	6"	VACANT TO VAULT 7407
8	6"	VACANT TO VAULT 7407

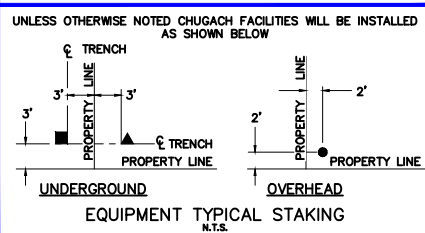


VICINITY KEY MAP
N.T.S.

LEGEND		
NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
NEW VAULT DETAIL 7336

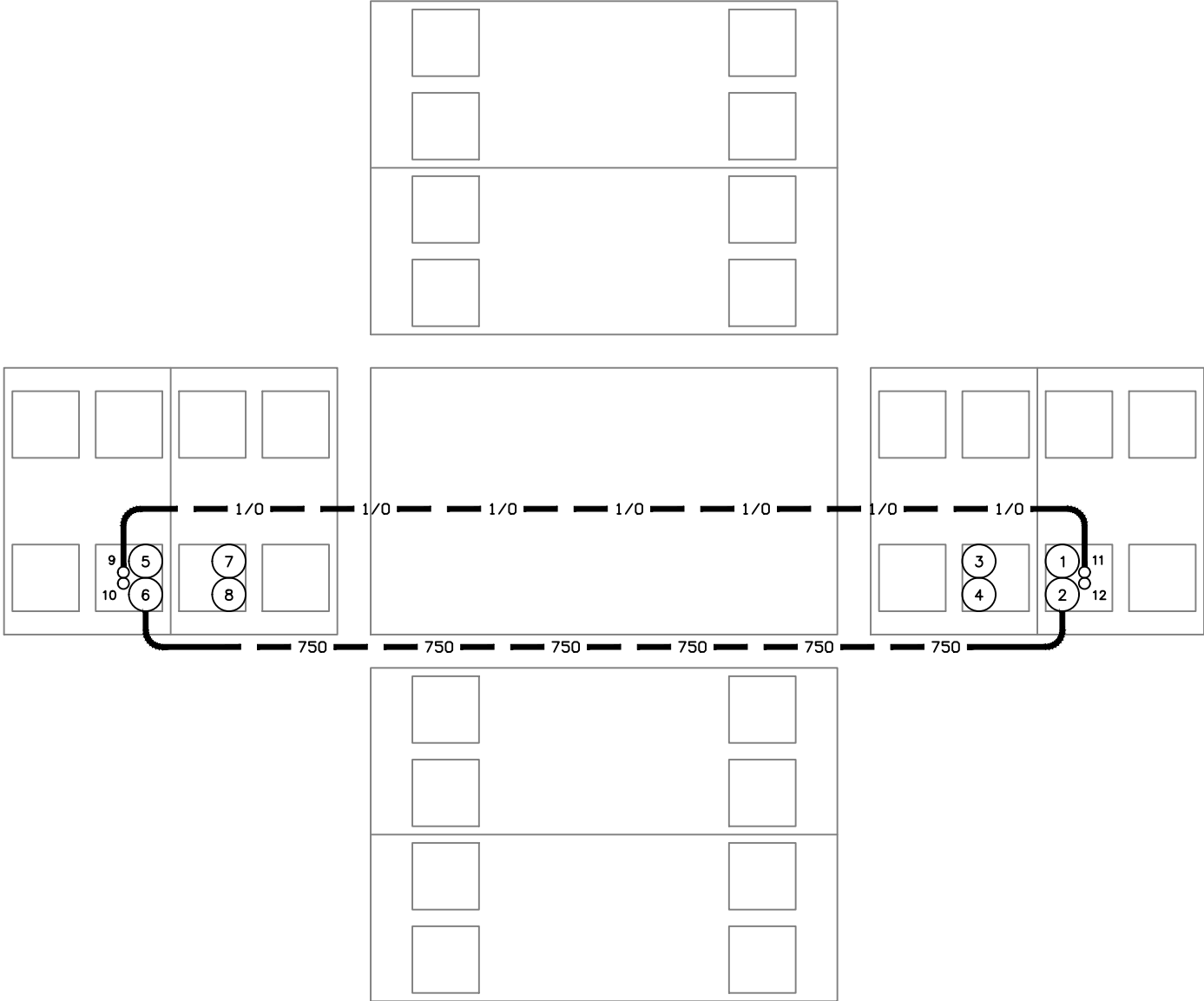
W.O. NO.: **P1900043** P1900043 FINAL.dwg

PAGE **43** OF **46**

NEW VAULT DETAIL 7407
(8'x14') N.T.S.

Permit No: 1-134200-25-130
Lat: 61.21263800
Long: -149.87103100
Date: 04/21/2026
Page 44 of 46

ITEM No.	DUCT SIZE	DESCRIPTION
1	6"	VACANT TO SC 1275
2	6"	15kV 750 CONC TO SC 1275 COMP 2
3	6"	VACANT TO VAULT 7336
4	6"	VACANT TO VAULT 7336
5	6"	VACANT TO VAULT 7380
6	6"	15kV 750 CONC TO SC 1288 COMP 1 VIA V 7380
7	6"	VACANT TO VAULT 7380
8	6"	VACANT TO VAULT 7308
9	2"	15kV 1/0 CONC TO PM 7598
10	2"	VACANT TO PM 7598
11	2"	15kV 1/0 CONC TO PM 7107
12	2"	VACANT TO PM 7107

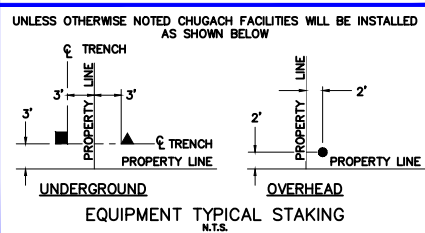


VICINITY KEY MAP
N.T.S.

NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
NEW VAULT DETAIL 7407

P1900043 FINAL.dwg

W.O. NO.: **P1900043**

PAGE **44** OF **46**

NEW VAULT DETAIL 7380
(8'x14') N.T.S.

Permit No: 1-134200-25-130
Lat: 61.21263800
Long: -149.87103100
Date: 04/21/2026
Page 45 of 46

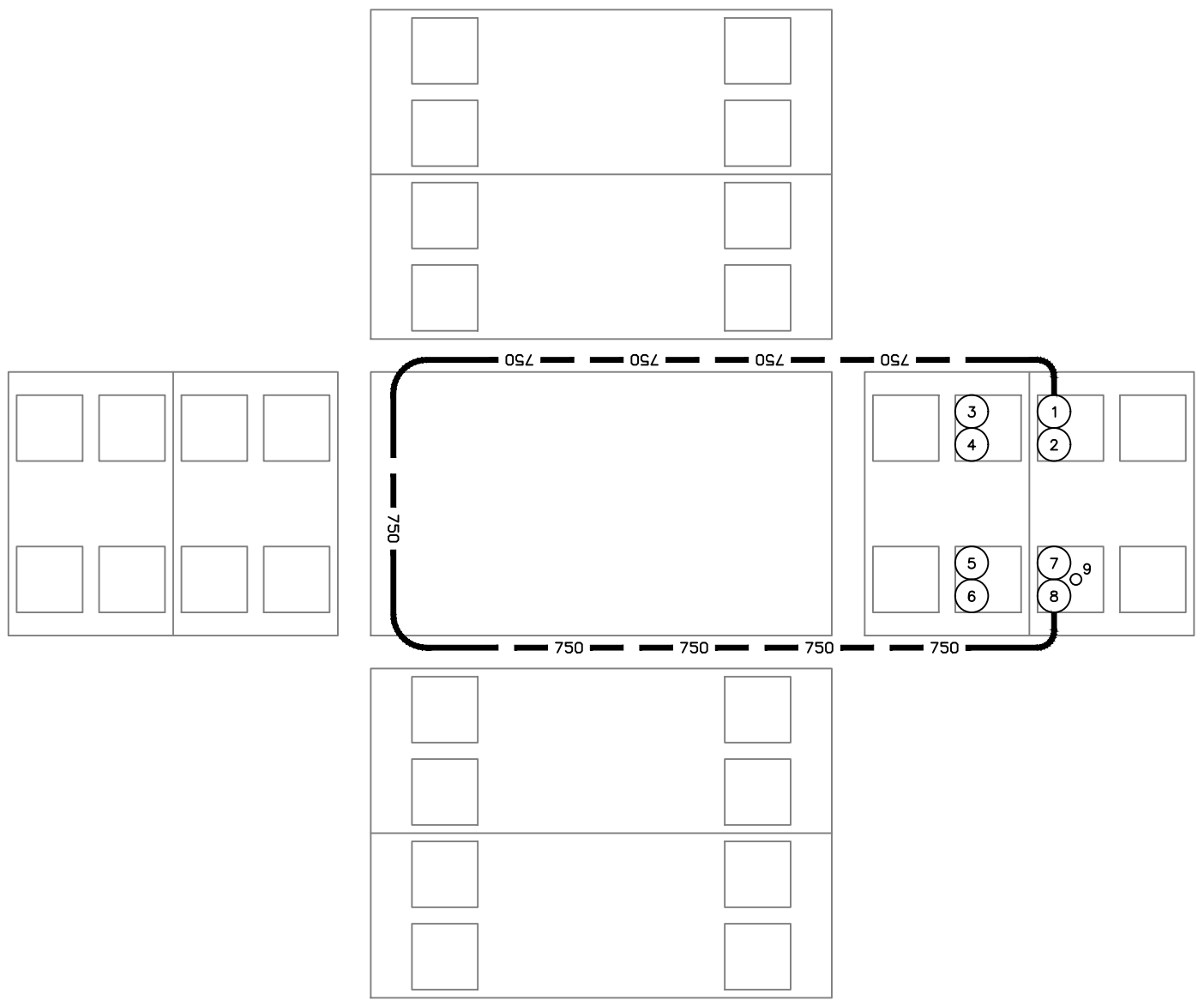
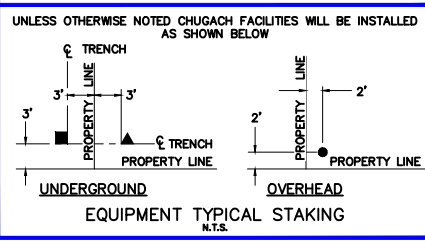
ITEM No.	DUCT SIZE	DESCRIPTION
1	6"	15kv 750 CONC TO SC 1275 COMP 2 VIA VAULT 7407
2	6"	VACANT TO VAULT 7407
3	6"	VACANT TO VAULT 7407
4	6"	VACANT TO VAULT 7407
5	6"	VACANT STUBBED OUT 5' EAST
6	6"	VACANT STUBBED OUT 5' EAST
7	6"	VACANT TO VAULT 87X
8	6"	15kv 750 CONC TO SC 1288 COMP 1 VIA VAULT 87X
9	2"	VACANT TO VAULT 87X

VICINITY KEY MAP
N.T.S.

LEGEND		
NEW	EXISTING	DESC.
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND

	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUED FOR PRELIM DESIGN	MS 2/16/26	-
1	ISSUED FOR FINAL DESIGN	MS 4/10/26	

ENG. STAMP

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

DRAWING NAME: **GAMBELL STREET: OH TO UG T-21 PROJECT**

GRIDS: 1231D, 1331B, 1331D, 1431
FEEDER: S6F7, S10F6, S3F112 / BREAKER 930
NEW VAULT DETAIL 7308

P1900043 FINAL.dwg

W.O. NO.: **P1900043**

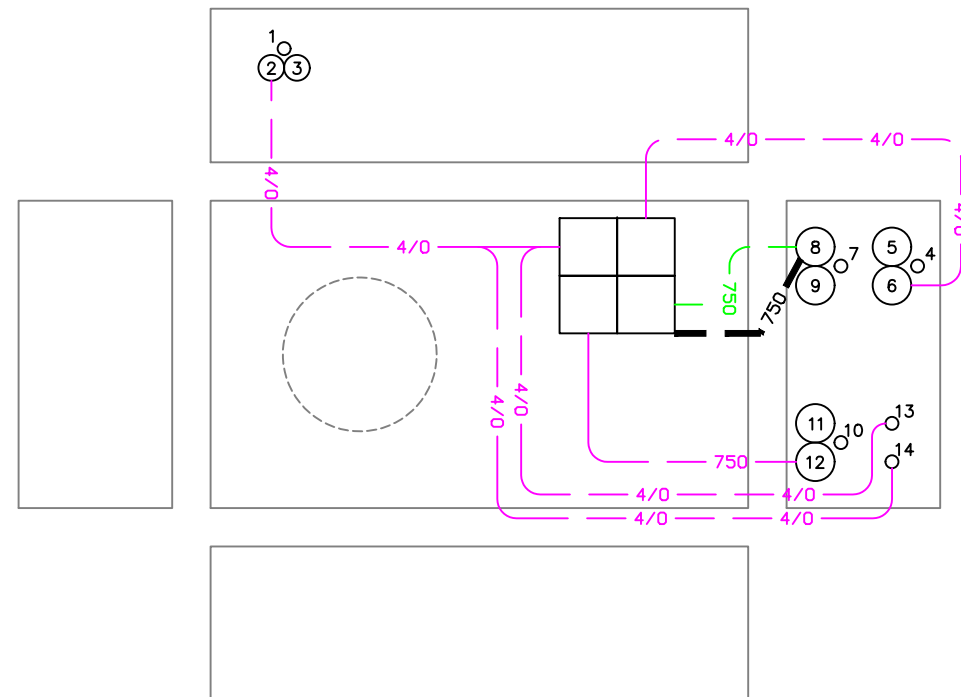
PAGE **45** OF **46**

VAULT DETAIL 1431-87X

(8'x14') N.T.S.

Permit No: 1-134200-25-130
 Lat: 61.21263800
 Long: -149.87103100
 Date: 04/21/2026
 Page 46 of 46

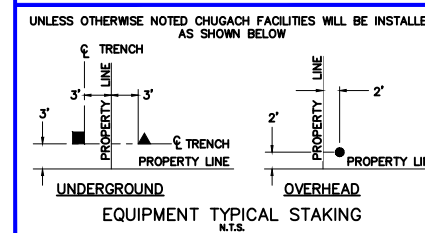
ITEM No.	DUCT SIZE	DESCRIPTION
1	2"	VACANT TO RISER 1431-67B
2	6"	15kv 4/0 STR AL WS WEST TO RISER 1431-67B
3	6"	VACANT TO RISER 1431-67B
4	2"	VACANT TO PULL BOX 1431-87Z
5	6"	VACANT TO PULL BOX 1431-87Z
6	6"	15kv 4/0 STR AL WS EAST TO T-6818 (Aφ) SC-324 (Bφ) T-6801 (Cφ)
7	2"	VACANT NORTH TO RISER 1431-78B VACANT TO VAULT 7380
8	6"	15kv 750 MCM STR AL WS NORTH TO RISER 1431-78B 15kv 750 CONC TO SC 1275 COMP 2 VIA VAULTS 7380, 7407
9	6"	VACANT NORTH TO RISER 1431-78B VACANT TO VAULT 7380
10	2"	VACANT SOUTH TO RISER 1431-85B
11	6"	VACANT SOUTH TO RISER 1431-85B
12	6"	15kv 750MCM STR AL WS SOUTH TO RISER 1431-85B
13	2"	15kv 4/0 STR AL WS Cφ TO RISER T-7119 (ADJACENT)
14	2"	15kv 4/0 STR AL WS Cφ TO RISER T-7119 (ADJACENT)



VICINITY KEY MAP
N.T.S.

LEGEND		DESC.
NEW	EXISTING	
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1φ OH XFMR
		DELTA OH XFMR
		3φ OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1φ U.G. PRIMARY
		2φ U.G. PRIMARY
		3φ U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1φ O.H. PRIMARY
		2φ O.H. PRIMARY
		3φ O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND	
	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: GAMBELL STREET: OH TO UG T-21 PROJECT			
DESIGNER/PROJECT ENGINEER: M. SALVANERA		W.O. #: P1900043	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
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Chugach Electric Association, Inc.
 5601 Electron Drive - P.O. Box 196300
 Anchorage, Alaska 99519-6300

DRAWING NAME:	GAMBELL STREET: OH TO UG T-21 PROJECT		
	GRIDS: 1231D, 1331B, 1331D, 1431 FEEDER: S6F7, S10F6, S3F112 / BREAKER 930 VAULT DETAIL 1431-87X		
W.O. NO.:	P1900043		P1900043 FINAL.dwg
	PAGE 46 OF 46		