

Request for Proposal (RFP):
Fiber Optic Broadband Network Expansion – Construction Services

Issued by: Southern Ute Indian Tribe | Shared Services | February 2023

RFP Deadline Dates:

- Open Date: **March 6, 2023**
- Questions Due Date: **March 24, 2023**
- Proposal Deadline: **March 31, 2023**

Contact Information:

- Primary RFP Point of Contact: **Sara Spain, Senior IT Contracts and Procurement Specialist**
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- Project Information Site: <https://www.southernute-nsn.gov/broadband-modernization-project>

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PURPOSE:

The Southern Ute Indian Tribe (Tribe) is accepting proposals for fiber optic network construction services for the expansion of its broadband network. As explained below, the Tribe has a three-phase plan to construct middle-mile, distribution lines, and drops to the homes of residents within the Southern Ute Indian Reservation (Reservation). The purpose of this proposal is to award a fiber construction contractor for Phase II of the plan. The selected contractor will expand the Tribe's fiber network infrastructure beyond the current network build from Phase I.

Phase I (Under Construction) - The Tribe has secured funding for the first phase that includes 52-miles of middle-mile fiber that is considered the new “backbone” routes for the Tribe. Currently, this 52-mile fiber network is under construction and includes placing a conduit with seven micro-ducts in the ground and filling one of the micro-ducts with 144 strand fiber. The four key routes are:

1. NW Route – From the Three Springs community in Durango Colorado to Ignacio Colorado along US160 and SR172.
2. NE Route - From Ignacio Colorado to Bayfield Colorado along CR516.
3. SW Route - From Ignacio Colorado to a tower on Herrera Hill along CR318.
4. SE Route - From Ignacio Colorado to towers at the Ponderosa Compressor Station and Sambrito Compressor Station sites along SR151.

Phase II – Recently, the Tribe was awarded a grant through the National Telecommunications and Information Administration’s (NTIA) Tribal Broadband Connectivity Program that will be used to fund Phase II. The Tribe completed all design and engineering work that was the basis of the NTIA application for this phase. Phase II will expand the backbone network from Phase I to build a fiber-to-the-home (FTTH) network reaching most of the native American households within the Reservation (i.e., approximately 1,798 homes).

The network has been designed with a microduct and microfiber approach. This allows a multiduct system to be placed across the Reservation and future-proof the network by providing six additional ducts for future fiber or leasing/IRU options for the Tribe. This design is a passive optical network (PON), which is a point-to-multipoint network. The PON protocol will be XGS-PON (ITU-T G.9807.1), which has 10 Gbps downstream bandwidth and 10 Gbps upstream. Compared to the GPON protocol (ITU-T G.984.2) XGS-PON has 4 times more downstream bandwidth and 8 times more upstream bandwidth. We will use a 64-way split, which will allow us to offer symmetric services of 1000-Mbps/1000-Mbps and 2000-Mbps/2000-Mbps. Our minimum residential Internet offering will be 250-Mbps downstream and 250-Mbps upstream.

Underground construction will take place unless opportunistic aerial routes are identified during permitting and construction planning. All underground fiber will be protected in duct. Duct branches and duct tapers will split apart/branch off in certain parts of the design. All spare ducts not being utilized in Phase II of this project must be capped for future use.

Complete details are included in the Scope of Work section of this document, but at a high level the project will use 25.8 miles of 12-count fiber, 158.25 miles of 48-count fiber, and 114 miles of 144-count fiber. These counts were chosen to suit the needs of the area and terrain. Single-mode fiber is the standard in telecommunications networks. It supports long-distance runs and up to 60 km in the PON. Plowing and boring are the predominate construction techniques utilized in the detailed design with trenching as required. Boring contingencies are recommended due to requirements that might be necessary based on the environmental reviews and biological assessments of the project.

Low-level design prints will be provided to aid in the development of proposals. The project will take place primarily within the rights-of-way of state and county-maintained roads, in residential subdivisions, and in the rights-of-way of private roads.

Phase III – The Tribe will explore additional funding through NTIA’s Broadband Equity, Access, and Deployment program to cover additional middle-mile and/or tower infrastructure to connect lower density and remote areas. The Tribe’s application will request funding to cover fiber drops to the homes of non-Indian residents within the Reservation.

SHARED SERVICES ORGANIZATIONAL OVERVIEW

The Reservation is in the southwest corner of the state of Colorado, just south of Durango and Pagosa Springs, along the New Mexico border. The Reservation is home to a diverse mix of residents including tribal members, non-member Indians, and non-Indians. The total population of the Reservation is over 13,000. The Tribe has approximately 1,500 members, about 1,140 of whom reside on the Reservation.

The subdivisions of the tribal organization include the Permanent Fund (i.e., the tribal government), the Southern Ute Indian Tribe Growth Fund (i.e., the Tribe’s business arm), Sky Ute Casino Resort, and the Southern Ute Indian Tribe Shared Services (Shared Services). Shared Services is the information technology service provider for the tribal organization. Shared Services’ duties include responsibility for the overall tribal network and telecommunication infrastructure. The selected contractor will interface

directly with the Shared Services Chief Information Officer, the Broadband Manager, and the Business Operations Manager to ensure proper coordination and execution of the project.

SCOPE OF WORK:

The RFP respondent that is awarded the fiber construction contract will provide construction services as directed and authorized by Shared Services. Responsibilities include, but are not necessarily limited to:

- Minor materials and consumables. Major materials have already been pre-purchased due to supply chain cost and availability concerns. Major materials include microduct, microfiber, fiber distribution hubs, handholes, pedestals, vaults, and network electronics. Minor materials include bolts, nuts, clamps/brackets, washers, pea gravel for Handholds, water/dumping, and any misc. removal – all to be supplied by the RFP respondent.
- Project managers, including on location project oversight. Permitting duties will need to be included in scope. A Permitting lead will be responsible for submitting any permit applications, and facilitating a weekly permitting meeting to ensure proper coordination of deliverables. A separate RFP has been issued for a contractor to drive all environmental, biological and cultural clearances. This contractor will be an integral part of the weekly permitting meetings. It is expected that the project will be broken up into smaller segments to aid in achieving compliance with the National Environmental Policy Act process. This will allow segments that are more easily permitted to move forward with construction. The Tribe currently utilizes an ArcGIS map that identifies routes that are green lit for construction activities.
- Construction inspectors for quality control/quality assurance.
- Construction crews and equipment to perform all underground and aerial (if utilized) construction. Any aerial work will be done in the communication space on electric utility poles.
- Communication including PSAs and onsite collaboration with area residents.
- Project performance tools will need to be used throughout the project using a construction management platform (i.e., Ocius-X). The Tribe desires ongoing visibility during the construction process that features a dashboard, map visualization, permit management, financial overview, and customer management. This will give the Tribe complete visibility into the project and allows the team to mitigate any future issues or concerns. Crews can easily do their daily reporting on the map from their smartphone or tablet. It's as simple as painting the bored/trenched/plowed routes with the line tool and includes all billable items, including photos and where the work was completed. This will then trigger the construction inspection work to begin. Once completed and approved, the construction contractor can bill for the completed work.
- Bonding - The contractor warrants that it has the financial resources necessary to ensure completion of the project. Due to the magnitude of the project, the contractor agrees to furnish a Performance Bond in a penal sum not less than 100% of the maximum contract amount, with a surety or sureties listed by the United States Department of Treasury as Acceptable Sureties. Performance and Payment Bonds are attached as Exhibit D.
- Provide warrantee work as directed for defects or incomplete services.
- Compliance with all applicable telecommunication industry regulatory requirements.
- Financial tracking and forecasting of budget versus actuals.

- Traffic control lead to ensure development and approval of a robust traffic control plan to maximize crew safety and the safety of the general public.

Project Details:

The Project Details are attached in the following Exhibits:

- Exhibit E - Engineering Unit Totals. The Tribe funded detailed engineering ahead of the Tribe's NTIA submission. The proposal will need to provide a complete construction estimate, plus any contingencies, to complete the engineered work units.
- Exhibit F – Phase II Pre-Purchased Materials. Due to supply chain and inflationary price increase costs concerns the Tribe pre-ordered certain major materials once the NTIA award was granted to the Tribe. The proposal will need exclude these materials in the construction estimate.
- Exhibit G – Sample Engineering Prints. The Tribe funded detailed engineering ahead of the Tribe's NTIA submission. This exhibit shows a sample of the engineering prints for the Phase II project. If more detailed information is needed to build out your proposal, then the detailed design prints are available upon request. Please reach out to Delbert Cuthair, Southern Ute Broadband Manager, at dcuthair@southernute.com for access.

RFP respondents should put per unit pricing towards each construction unit. All PM, construction inspector, etc. costs need to be absorbed into the total construction price.

PROPOSAL REQUIREMENTS:

EXPERIENCE

The Tribe seeks an experienced fiber construction contractor with a proven track record that has the knowledge and expertise to successfully install the Tribe's expanded fiber-optic network. Respondents should have knowledge and experience in all matters and governmental requirements for constructing a fiber-optic network. Respondents should detail their level of knowledge and experience, including any experience that they have working with Indian tribes.

CURRENT ENVIRONMENT/BACKGROUND OF TRIBE'S NEEDS

The Tribe's governing body, the Southern Ute Indian Tribal Council, has made narrowing the digital divide on the Reservation a top priority. The total population residing within the exterior boundaries of the Reservation is over 13,000 people. Most residents lack access to high quality and cost-effective high-speed internet. The COVID-19 pandemic underscored long-standing connectivity challenges and the many complications they pose for the Reservation community. To explain this divide more appropriately, the residents of the Reservation are living in a digital desert. A speed test mapping project determined that 86% of households within the Reservation report less than 10/1 mbps service. Reservation residents are at a great risk of falling behind as exponential advancements in technology widen the digital divide.

Mindful of the critical need, since 2019 the Tribe has been hard at work developing and deploying a broadband network that is expected to serve 85% of households on the Reservation and 95% of all tribal member homes by 2026. The Tribe expended its own resources to pay for preliminary engineering and for a crowd sourced, speed-test mapping project which has provided a more realistic picture of the problem – and one the Tribe has spent years attempting to resolve. The Tribe's work also included feasibility studies and engineering for utilizing a license for the 2.5 GHz wireless spectrum, obtained

through the Federal Communications Commission. The Tribe is considering leveraging regional partnerships to use existing towers and rights-of-way with the intent to speed construction, reduce cost, and expedite access to broadband on the Reservation. Under a Colorado state law known as HB21-1289, the Tribe was awarded funding to initiate Phase I of its broadband project.

Construction of Phase I is underway. The Tribe is seeking a contractor specifically for the construction of Phase II.

PROPOSAL CONTENT

Proposals should include concise, but complete information about your company, emphasizing why you believe your company to be best qualified to furnish services in support of the Tribe's fiber network construction needs.

At a minimum, the Proposal should include:

- Transmittal Letter (REQUIRED) - Provide an introductory letter that states:
 - Full name and address of your company.
 - Number of years you have been in business under your present firm or trade name.
 - Name, telephone number and email address of the contact person for the submission.
 - Succinctly highlight your understanding of our desired construction services, and the benefits of accepting your proposal. Explain the value that you would provide to the Tribe by being selected as our construction contractor.
- Appendix A (REQUIRED) – A summary of your company's experience constructing fiber-optic networks.
 - Describe your:
 - Construction approach.
 - Safety management practices.
 - Approach to project performance management and monitoring.
 - Quality management practices.
 - Knowledge of compliance with all applicable telecommunication industry regulatory requirements.
 - Provide details of your organization's employee or contractor footprint in southwestern Colorado and any specific experience working with Indian tribes.
- Appendix B (REQUIRED) – A summary of business and/or governmental references that can attest to the quality and professionalism of your company's operation.
- Exceptions Letter (OPTIONAL) – Should you take exception to any requirements, terms and conditions identified in this RFP, a letter must be submitted with your response identifying all exceptions. Any exceptions will be part of the evaluation process. At the time of contract negotiations, the Tribe will not entertain any exceptions not previously submitted with the respondent's response.

SUBMISSION INSTRUCTIONS

The Q&A period for this opportunity is March 6, 2023 to March 24, 2023.

We will not commit to answering questions submitted after this time.

Questions may be submitted to Sara Spain, Senior IT Contracts and Procurement Specialist, at susscontracts@southernute.com. Questions will be documented, and an addendum will be issued with the Tribe's responses.

Your proposal must be submitted via email or parcel delivery by 5:00 PM (MDT) March 31, 2023.

You will receive an email confirmation receipt once you submit your proposal.

It is the sole responsibility of the respondent to see that its proposal is received in the proper time. Proposals received after the specified time will not be considered.

Adherence to the rules set forth in this RFP is mandatory to ensure a fair and objective analysis of all proposals. Failure to comply with or complete any portion of this request may result in rejection of a submitted proposal.

Submission of a proposal to the Tribe confers no rights upon the respondent nor obligates the Tribe in any manner.

PRESENTATION, DEMONSTRATION, AND INTERVIEW

Selected respondents may be invited to make presentations to tribal personnel. Representative(s) attending/hosting these presentations must be qualified to respond to questions related to any component of the proposal.

REVIEW AND EVALUATION

The Tribe will use a proposal evaluation team composed of project stakeholders and other tribal personnel to review all proposals received as part of a documented evaluation process.

Respondent submissions will be evaluated based on their experience, the completeness of their RFP, and the clarity of their proposal. In evaluating the proposals, Shared Services will comply with the Tribe's Tribal Employment Rights Code and preference will be given to certified Indian owned businesses.

- **Evaluation Criteria** - The proposal evaluation criteria should be viewed as standards that measure how well a respondent's approach meets the desired requirements and needs of the Tribe. The criteria that will be used to evaluate proposals may include, but are not limited to the following:
 - **Cost** – The estimated cost to complete the scope of work. Sufficient contingencies should be in place to minimize any budgetary surprises based on the volatility of the fiber construction market.
 - **Experience, Qualifications, and Quality References** - Respondent's experience and suitability in providing services and deliverables as requested in the RFP; including, but not limited to quality of references/reference checks and the moral/business integrity to assure good faith performance.
 - **Capacity & Efficacy** – Respondent's demonstrated capacity, capability and skill to meet the Tribe's requirements and provide the services identified in the RFP.
 - **Acceptance of the Tribe's Contracting Requirements and Shared Services' Preferred Terms**

The Tribe reserves the right to determine the suitability of proposals on the basis of any or all of these criteria or other criteria not included in the above list. This detailed evaluation process may result in one or more finalists. The Tribe may request presentations by finalists and may carry out contract negotiations for the purpose of obtaining best and final offers.

- **Validity of Proposals** - Proposals are to be good for 90 days from the proposal due date. The Tribe may hold the proposals for 90 days after the proposal due date and may award a contract at any time during that period. Should there be reasons why a contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the Tribe and the selected respondent.
- **Contract Negotiations/Award** - The Tribe reserves the right to (a) reject any or all proposals, or to make no award, (b) request modifications to initial proposals or (c) make partial or multiple awards. In addition, the Tribe reserves the right to obtain other supplemental information concerning the respondents. The Tribe further reserves the right to excuse technical defects in a proposal when, in its sole discretion, such excuse is beneficial to the Tribe. The Tribe may award based on initial proposals received, without discussion of such proposals.

PROCUREMENT SCHEDULE (PLANNED)

- RFP Open Date 3/6/2023
- Deadline for Submission of Written Questions 3/24/2023
- Proposals Due 3/31/2023
- Presentations/Interviews (if needed) Week of 4/3/2023
- Evaluation of Proposals Week of 4/10/2023
- Contract Negotiations/Award 4/17/2023
- Commencement of Services 5/1/2023

RIGHT OF REFUSAL

The Tribe reserves the right to reject any and all proposals in their entirety or to select certain components of a proposal and offer a partial award. The Tribe reserves the right to award a contract in any manner deemed in the best interest of its members.

PUBLIC RECORDS

All respondents are hereby notified that all bids, proposals, quotations, RFI responses, agreements, invoices, correspondence and any other documents submitted to the Tribe are not subject to public disclosure.

EXPENSE OF PREPARING RESPONSES

The Tribe accepts no responsibility for any expenses incurred by the responders to this RFP; including costs associated with RFP responses and presentations. Such expenses are to be borne exclusively by the responders.

TRIBAL TERO REQUIREMENTS & NATIVE AMERICAN PREFERENCE

- A. The Southern Ute Indian Tribe has adopted an Employment Rights Code (TERO), which is to be observed by all Covered Employers operating on the Southern Ute Indian Reservation.
- B. This RFP is a restricted solicitation; however, Indian preference will be given to qualified Indian owned economic enterprises and Indian organizations. Respondents desiring Native American preference for selection **must be certified through the Southern Ute Indian Tribe's TERO Office as an Indian-owned business.** For those respondents seeking Native American preference, this is a mandatory requirement, regardless of any other registration or certification that may exist with other tribal TERO offices, agencies, or affiliations.

- C. The TERO Code's preference requirements must be applied to your selection of consultants and/or sub-contractors that would be involved in carrying out responsibilities under your proposal.
- D. The respondent awarded the contract will be responsible for paying TERO contract and annual payroll TERO fees, as specified in Article 8 of the Tribe's TERO, to the extent that such fees are applicable to the respondent's services and work. (i.e., 4% of any portion of the contract that is attributable to building construction or oil and gas field work and, if respondent has 20 or more employees or gross revenues of \$500,000 or more, an annual fee of 4% of the annual payroll of those employees of the respondent who perform work principally on the Southern Ute Indian Reservation). These fees should be included in your fee proposal.
- E. The respondent awarded the contract and all subcontractors will be responsible for obtaining and paying for crossing permits for the duration of the services, which should be included in your fee proposal. For more information about crossing permits please contact the Southern Ute Lands Division at (970) 563-0126.
- F. For more information contact Hilda Burch at:
Southern Ute Indian Tribe TERO Office
71 Mike Frost Way
P.O. Box 737
Ignacio, CO 81137
(970) 563-0117
E-mail: hburch@southernute-nsn.gov

CONTRACT REQUIREMENTS:

The selected respondent to the RFP will be required to enter into a professional services agreement with the Tribe (or a statement of work if the respondent already has a master services agreement with the Tribe). The professional services agreement attached as Exhibit A sets forth the Tribe's required terms and conditions. Shared Services requires each respondent either to accept those terms and conditions affirmatively as presented or to clearly state in writing required modifications, additions, or substitutions (collectively "Exceptions"). Every respondent must review the terms and conditions in Exhibit A and must set forth all Exceptions, if any, in the form of proposed alternative language or identify specific terms to be deleted and must disclose any impact on proposed fees if Shared Services rejects the Exceptions.

Shared Services may disqualify and terminate negotiations with any respondent that did not identify an Exception to a given provision in the terms and conditions shown in Exhibit A in its proposal and subsequently attempts to do so during negotiations. Further, Shared Services reserves the right to disqualify any respondent with whom Shared Services is unable to negotiate a definitive agreement following notification of intended selection. Therefore, it is in the respondent's best interest to have the Exhibit A terms and conditions reviewed by counsel before submission of its proposal in response to this RFP. The number and extent of Exceptions to the Agreement will be factored into the evaluation of the respondent's proposal. Submittal of the respondent's form agreement in response to the requirements of this section of the RFP shall be deemed non-responsive.

HIGH-LEVEL PROJECT MAP

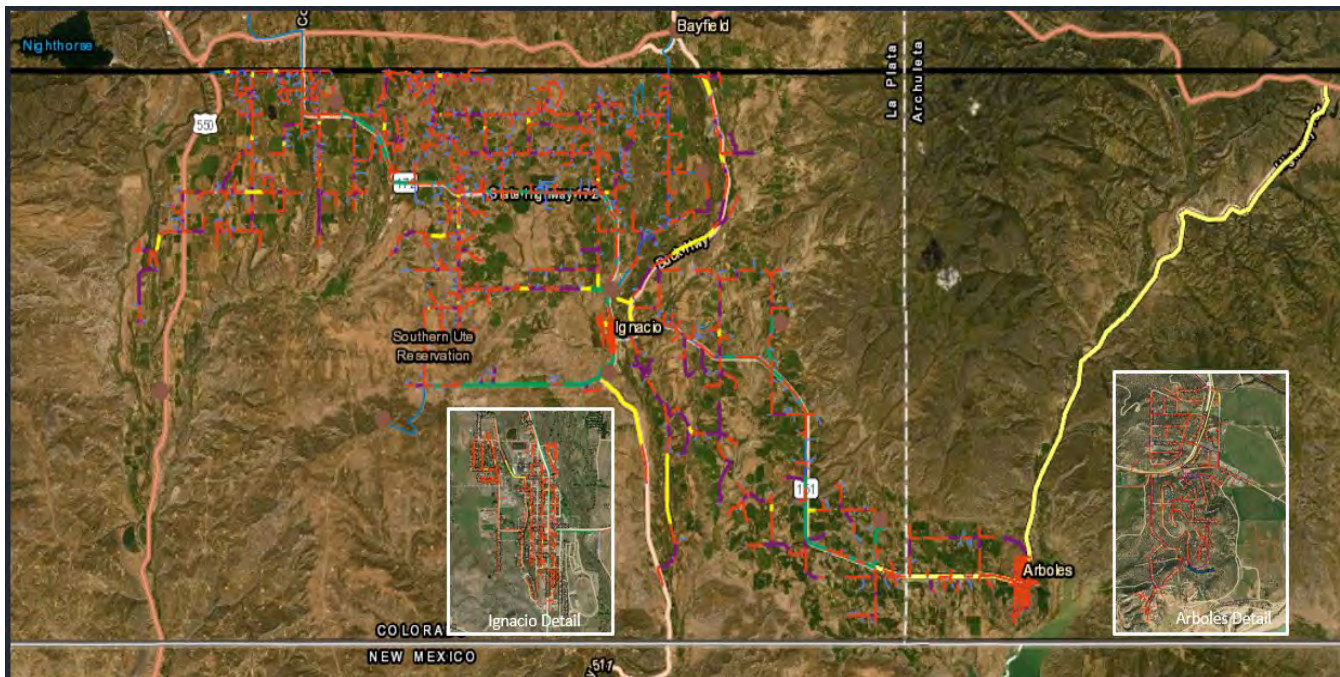


EXHIBIT SUMMARY:

The following Exhibits are included in this RFP:

- Exhibit A - Professional Services Agreement
- Exhibit B - Process to onboard a new subcontractor
- Exhibit C - Notice to Proceed form
- Exhibit D – Performance and Payment Bonds
- Exhibit E - Engineering Unit Totals
- Exhibit F - Phase II Pre-Purchased Materials
- Exhibit G – Sample Engineering Prints

Exhibit A

Professional Services Agreement for Construction Services for Phase II of Southern Ute Indian Tribe's Broadband Project (Cost of the Work Plus a Fee with GMP)

This agreement is between the Southern Ute Indian Tribe dba Southern Ute Indian Tribe Shared Services (“**Tribe**” or “**Shared Services**”) and **NAME** (“**Contractor**”). The Tribe wishes to hire Contractor to provide construction and services necessary for Phase II of the Tribe's broadband modernization project (“**Project**”) and the Contractor agrees to provide the construction and services under the terms set forth herein. The parties therefore agree as follows:

Article 1 General Provisions

1.1 Parties' Relationship - Independent Contractor. Contractor is an independent contractor and, as such, the Tribe has no right to direct or control the details and means by which Contractor provides the services. Contractor and its agents, employees, and representatives are not tribal employees and, therefore, are not subject to the personnel policies of the Tribe and are not entitled to employee benefits. Contractor and its agents, employees, and representatives are not authorized to bind the Tribe in contract without the Tribe's written permission. Nothing in this agreement creates a joint venture relationship between Contractor and the Tribe.

1.2 Contract Documents. The parties agree that the following documents comprise the Contract Documents to which the Contractor and the Work will adhere:

- (1) This agreement and the Scope of Work attached as Exhibit A;
- (2) The preliminary and final design and engineering prints for the Project;
- (3) The results of any independent testing, reports, or cultural resources surveys, environmental assessments, biological assessments, and mitigation measures and stipulations obtained by or prepared by the Tribe and provided to Contractor;
- (4) Performance bond (in the form attached hereto and made a part hereof);
- (5) Payment bond (in the form attached hereto and made a part hereof); and
- (6) Change Orders, interim directives, and amendments issued in accordance with this agreement and this agreement.

If there is any conflict between the terms of this agreement and any exhibit or other Contract Document, the terms of this agreement will control.

Article 2 Services

2.1 Scope. Contractor will provide construction and services necessary or incidental to fulfill Contractor's obligations for the Project, as specified in the attached Exhibit A (Scope of Work), in accordance with and reasonably inferable from the Contract Documents (“**Work**”).

2.2 Professional Skill. Contractor will perform the construction and services to the reasonable satisfaction of the Tribe in a timely manner and consistent with the professional skill and care that other similar companies provide in the same or similar locality under similar circumstances, in good quality, free from defects, and in compliance with all applicable laws.

Article 3 Contractor's Responsibilities

3.1 Diligent Efforts. Contractor shall use its diligent efforts to perform the Work in an expeditious manner consistent with the Contract Documents. Such Work includes furnishing construction administration and management services.

3.2 Labor, Materials, Equipment, and Services. Contractor shall provide all labor, materials, equipment, (except materials and equipment that are supplied by the Tribe) and services necessary to complete the Work, all of which shall be provided in full accord with the Contract Documents and shall include any Work reasonable inferable for the Contract Documents.

3.3 Familiarity with Type of Work Required. Contractor represents that it is familiar with the type of work required by this agreement.

3.4 Construction Means and Methods. Contractor shall be responsible for the supervision and coordination of the Work, including the construction means, methods, techniques, sequences, and procedures utilized. When following construction means, methods, techniques, sequences, or procedures instructed by the Contract Documents, Contractor is not liable to the Tribe for damages resulting from compliance with such instructions unless (a) Contractor recognized and (b) failed to timely report to the Tribe any error, inconsistency, omission, or unsafe practice that it discovered in such requirements.

3.5 Comply with Applicable Laws. Contractor shall perform Work only within locations allowed by the Contract Documents, applicable permits, and in compliance with applicable federal, state, local and tribal laws and regulations that pertain to the services in this agreement, including the Southern Ute Tribal Employment Rights Code (TERO Code). Contractor may obtain TERO Code compliance information from the Tribe's TERO office at 970-563-0117.

3.6 Crossing Permits. Before entering any tribal lands, Contractor shall obtain and comply with crossing permits from the Tribe's Department of Natural Resources.

3.7 Cooperation and Coordination with Work of the Tribe and Others.

3.7.1 Coordination. Contractor must coordinate Contractor's services with the Southern Ute Broadband Manager and report discrepancies, questions, or concerns directly to the Broadband Manager or the Tribe's Chief Information Officer.

3.7.2 The Tribe may perform work at the worksite directly or by others. Any agreements with others to perform construction or operations related to the Project shall include provisions pertaining to insurance, indemnification, waiver of subrogation,

consequential damages, coordination, interference, cleanup, and safety that are customary and appropriate for the type of work to be performed.

3.7.3 If the Tribe elects to perform work at the worksite directly or by others, the Parties shall coordinate the activities of all forces at the worksite and agree upon fair and reasonable schedules and operational procedures for worksite activities. The Tribe shall require each separate contractor to cooperate with Contractor and to assist with the coordination of activities and the review of construction schedules and operations. In accordance with §6.3, Contract Price and Contract Time may be equitably adjusted for changes resulting from the coordination of construction activities, and the Schedule of the Work shall be revised accordingly.

3.7.4 With regard to the work of the Tribe and others, Contractor shall: (a) proceed with the Work in a manner that does not hinder, delay, or interfere with the work of the Tribe or others or cause the work of the Tribe or others to become defective; (b) afford the Tribe and others reasonable access for introduction and storage of their materials and equipment and performance of their activities; and (c) coordinate Contractor's Work with theirs.

3.7.5 Before proceeding with any portion of the Work affected by the construction or operations of the Tribe or others, Contractor shall give the Tribe prompt written notification of any defects Contractor discovers in their work which will prevent the proper execution of the Work. Contractor's obligations in this subsection do not create a responsibility for the work of the Tribe or others but are for the purpose of facilitating the Work. If Contractor does not notify the Tribe of defects interfering with the performance of the Work, Contractor acknowledges that the work of the Tribe or others is not defective and is acceptable for the proper execution of the Work. Following receipt of written notice from Contractor of defects, the Tribe shall promptly issue a Change Order informing Contractor what action, if any, Contractor shall take with regard to the defects.

3.8 Contract Document Review and Worksite Inspection.

3.8.1 Before commencing the Work, Contractor shall examine and compare the drawings and specifications with information furnished in the Contract Documents, relevant field measurements made by Contractor, and any visible conditions at the worksite affecting the Work. Any changes made in the field must be modified in the final engineering prints and reflected in the final data submitted to Colorado 811 for utility locates.

3.8.2 Should Contractor discover any errors, omissions, or inconsistencies in the Contract Documents, Contractor shall promptly report them to The Tribe. It is recognized, however, that Contractor is not acting in the capacity of a licensed design professional, and that Contractor's examination is to facilitate construction and does not create an affirmative responsibility to detect errors, omissions, or inconsistencies or to ascertain compliance with a law, building code, or regulation. Following receipt of written notice from Contractor of errors, omissions, or inconsistencies, The Tribe shall promptly inform Contractor what action, if any, Contractor shall take with regard to the errors, omissions, or inconsistencies; but The Tribe's directive shall not relieve Contractor of the responsibility to use professional judgment and continue to inform the Tribe of any errors, omissions, or inconsistencies it discovers.

3.8.3 In accordance with this agreement, Contractor may be entitled to adjustments of the Contract Price or Contract Time because of clarifications or instructions arising out of Contractor's reports described in this Section 3.8.

3.8.4 Nothing in this Section 3.8 shall relieve Contractor of responsibility for its own errors, inconsistencies, or omissions.

3.9 Permits and Taxes.

3.9.1 Contractor agrees to coordinate with and provide the services requested by Shared Services to assist in obtaining the necessary authorizations for placement of Tribe-owned fiber optic lines for broadband in the locations called for under Phase II of the Tribe's broadband plan and for performance of environmental and cultural resources compliance work. Such assistance may include applying for CDOT utility permits on behalf of the Tribe, consulting with La Plata County and Archuleta County regarding placement of the Tribe's fiber optic line, applying for an excavation permit from the Town of Ignacio on behalf of the Tribe, applying for ditch crossing permits on behalf of the Tribe (or preparing applications for tribal signature and submittal), and assisting as may be requested in obtaining rights-of-way from the Bureau of Indian Affairs across allotted lands. Contractor agrees that it will not submit any permit request or make any representations to federal, state, or local governmental or non-governmental authorities (e.g., CDOT, La Plata County, Archuleta County, the Town of Ignacio, the Bureau of Indian Affairs, and any ditch companies) on behalf of the Shared Services without Shared Services' express written authorization.

3.9.2 Contractor shall pay applicable taxes for the Work provided by Contractor. Before making purchases and paying any taxes for which Contractor will claim reimbursement from the Tribe, however, Contractor shall consult with the Tribe. The Parties agree and understand that all sales of tangible personal property or services delivered to the Tribe at its place of business on the Southern Ute Indian Reservation are exempt from state sales and use taxation, as required by federal law and as codified in Colorado law at § 39-26-727, C.R.S. Contractor shall deliver its products and services to the Tribe on the Reservation. If, in accordance with the Tribe's direction, Contractor claims an exemption for taxes, the Tribe shall indemnify and hold Contractor harmless from any liability, penalty, interest, fine, tax assessment, attorneys' fees, or other expense or cost incurred by Contractor as a result of any such claim.

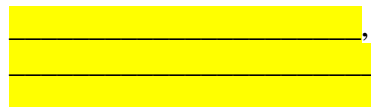

3.10 Construction Personnel and Supervision.

3.10.1 Contractor shall provide competent supervision for the performance of the Work. Before commencing the Work, Contractor shall notify the Tribe in writing of the name and qualifications of its proposed superintendent(s) and project manager so the Tribe may review their qualifications. If, for reasonable cause, the Tribe refuses to approve an individual, or withdraws its approval after once giving it, Contractor shall name a different superintendent or project manager for the Tribe's review. Any disapproved superintendent shall not perform in that capacity thereafter at the worksite.

3.10.2 Contractor shall be responsible to the Tribe for acts or omissions of a person or entity performing on behalf of Contractor or any of its Subcontractors and Suppliers.

3.10.3 Contractor shall permit only qualified persons to perform the Work. Contractor shall enforce safety procedures, strict discipline, and good order among persons performing the Work. If the Tribe determines that a particular person does not follow safety procedures, or is unfit or unskilled for the assigned Work, Contractor shall immediately reassign the person upon receipt of the Tribe's request to do so.

3.10.4 Contractor's Representative. Contractor's authorized representative is:

, Project Manager


Contractor's Representative shall possess full authority to receive instructions from the Tribe and to act on those instructions. If Contractor changes its representative or the representative's authority, Contractor shall immediately notify the Tribe in writing.

3.11 Guaranteed Maximum Price ("GMP")

3.11.1 The GMP is the maximum amount the Tribe shall pay to Contractor for the performance of the Work and shall include the estimated Cost of the Work as defined in Article 7 and Contractor's Fee as defined in Article 6. The GMP shall be subject to modification as provided in Article 8. Contractor does not guarantee any specific line item provided as part of the GMP but agrees that it will be responsible for paying all costs of completing the Work that exceed the GMP, as adjusted in accordance with this agreement. The Tribe and Contractor agree that the GMP is identified in an amendment attached hereto or shall be determined in accordance with Section 3.11.2 below.

3.11.2 Basis of Guaranteed Maximum Price. If the GMP has not been established prior to execution of this agreement as identified in Section 3.11.1 above, Contractor shall prepare for the Tribe a GMP Proposal. Contractor shall include as part of the GMP Proposal a written statement of its basis, which, to the extent deemed necessary by the Tribe or Contractor, shall include:

3.11.2.1 a list of the drawings and specifications, including all addenda, which were used in preparation of the GMP Proposal;

3.11.2.2 a list of allowances and a statement of their basis;

3.11.2.3 a list of the assumptions and clarifications made by Contractor in the preparation of the GMP Proposal to supplement the information contained in the drawings and specifications;

3.11.2.4 a date of substantial completion and date of final completion upon which the GMP is based, and the schedule of Work upon which date of substantial completion and date of final completion are based;

3.11.2.5 a schedule of applicable alternate prices;

3.11.2.6 a schedule of applicable unit prices;

3.11.2.7 a statement of additional services included, if any;

3.11.2.8 a statement of Contractor's contingency, if any, as either a lump sum or as a percentage of the initial estimated Cost of the Work; and

3.11.2.9 a statement of any work to be self-performed by Contractor.

3.11.3 Contractor shall meet with the Tribe to review the GMP Proposal. If the Tribe discovers any inconsistencies, inaccuracies, or omissions in the information presented, it shall promptly notify Contractor, who shall make appropriate adjustments to the GMP. The Tribe shall then give prompt written approval of the GMP Proposal at which time it becomes incorporated herein as Exhibit B.

3.11.4 The Tribe and Contractor shall cause the Contract Documents to be revised to the extent necessary to reflect the clarifications, assumptions, and allowances on which the GMP is based. Revised drawings and specifications shall be furnished to Contractor in accordance with the current Schedule of the Work, unless otherwise agreed by the Tribe and Contractor. Contractor shall promptly notify the Tribe if the revised drawings and specifications are inconsistent with the GMP's clarifications, assumptions, and allowances.

3.11.5 If the Contract Documents are not complete at the time the GMP Proposal is submitted to the Tribe, Contractor shall provide in the GMP for further development of the Contract Documents. Such further development does not include changes in scope, systems, kinds and quality of materials, finishes, or equipment, all of which, if required, shall be incorporated by Change Order.

3.11.6 Allowances shall include the costs of materials, supplies, and equipment delivered to the worksite less applicable trade discounts and taxes, if applicable, unloading and handling at the worksite, and labor and installation, unless specifically stated otherwise. Contractor's overhead and profit for the allowances shall be included in the GMP, but not in the allowances. The GMP shall be adjusted by Change Order to reflect the actual costs when they are greater than or less than the allowances.

3.11.7 Failure to Accept the GMP Proposal. Unless the Tribe accepts the GMP Proposal in writing on or before the date specified in the GMP Proposal for such acceptance and so notifies Contractor, the GMP Proposal shall not be effective. If the Tribe fails to accept the GMP Proposal, or rejects the GMP Proposal, the Tribe shall have the right to:

3.11.7.1 suggest modifications to the GMP Proposal. If such modifications are accepted in writing by Contractor, the GMP Proposal shall be deemed accepted in accordance with Section 3.11.3 at which time it becomes an amendment to this agreement. If such modifications are not accepted, Contractor may either offer a new GMP Proposal, or terminate the agreement with the parties to bear their own costs except as otherwise provided in Section 14.4.2; or

3.11.7.2 terminate the agreement for convenience in accordance with Section 14.4.

3.11.8 If the Tribe does not either (a) accept the GMP Proposal in writing, (b) suggest modifications in accordance with Section 3.11.7.1, or (c) terminate the agreement for convenience as contemplated by Section 3.11.7.2 on or before the date specified in the GMP Proposal for such acceptance, Contractor may terminate the agreement with the parties to bear their own costs except as otherwise provided in Section 14.4.2.

3.11.9 Pre-GMP Work. Prior to the Tribe's acceptance of the GMP Proposal, Contractor shall not incur any cost to be reimbursed as part of the Cost of the Work, except as provided in this agreement or as the Tribe may specifically authorize in writing.

3.12 Workmanship. The Work shall be executed in accordance with the Contract Documents in a workmanlike manner. All materials used in the Work shall be furnished in sufficient quantities to facilitate the proper and expeditious execution of the Work and shall be new except as otherwise provided in the Contract Documents.

3.13 Materials Furnished by the Tribe or Others. If the Work includes installation of materials or equipment furnished by the Tribe or others, it shall be the responsibility of Contractor to examine the items so provided and thereupon handle, store, and install the items, unless otherwise provided in the Contract Documents, with such skill and care as to provide a satisfactory and proper installation. Loss or damage due to acts or omissions of Contractor shall be the responsibility of Contractor and may be deducted from any amounts due or to become due Contractor. Any defects discovered in such materials or equipment shall be reported at once to the Tribe. Following receipt of written notice from Contractor of defects, the Tribe shall promptly inform Contractor what action, if any, Contractor shall take with regard to the defects, but the Tribe's directive shall not relieve Contractor of its duty to exercise professional judgment and continue to inform the Tribe of any defects or inconsistencies it discovers with respect to such materials. The Tribe has in place a Construction and Storage Yard for material and equipment storage for the duration of the construction project to the awarded Contractor. The Contractor will need to provide appropriate temporary construction trailers to be included in the GMP estimate.

3.14 Tests and Inspections.

3.14.1 Contractor shall schedule all required tests, approvals, and inspections of the Work or portions thereof at appropriate times so as not to delay the progress of the Work or other work related to the Project. Contractor shall give proper notice to all required parties of such tests, approvals, and inspections. If feasible, the Tribe and others may timely observe

the tests at the normal place of testing. Except as provided in Section 3.14.3, the Tribe shall bear all expenses associated with tests, inspections, and approvals required by the Contract Documents, which shall be conducted by an independent testing laboratory or entity retained by the Tribe. Unless otherwise required by the Contract Documents, required certificates of testing, approval, or inspection shall be secured by Contractor and promptly delivered to the Tribe.

3.14.2 If the Tribe or appropriate authorities determine that tests, inspections, or approvals in addition to those required by the Contract Documents will be necessary, Contractor shall arrange for the procedures and give timely notice to the Tribe and others who may observe the procedures. Costs of the additional tests, inspections, or approvals are at the Tribe's expense except as provided in the subsection below.

3.14.3 If the procedures described in the two subsections immediately above indicate that portions of the Work fail to comply with the Contract Documents, Contractor shall be responsible for costs of correction and retesting.

3.15 Warranty. Contractor warrants to the Tribe that it, or its contractors, subcontractors and consultants, have expertise in the construction of fiber-optic infrastructure. Contractor further warrants that all materials and equipment furnished under this agreement will be of good quality and new. The Contractor further warrants that the construction Work will conform to the requirements of the engineered Design Documents and will be free from defects. Work, materials and equipment not conforming to these requirements will be considered defective. Contractor guarantees and warrants Contractor's construction work against all defects in materials and workmanship for one year after the Tribe accepts it. If any defect arises within the one-year warranty period, Contractor must correct it, at Contractor's sole expense, within ten days of receiving written notice. If Contractor fails to correct the defect, the Tribe may contract with another, at Contractor's sole expense, to correct it. This is in addition to such other remedies that the Tribe may have.

3.16 Work Safety. Contractor, Contractor's employees, and subcontractors, must safely conduct work consistently with the best safety practices to prevent injuries at the job site to employees, visitors, the public, and adjacent property, including training all workers, warning everyone at the job site of potential hazards, and providing proper safety equipment. Before providing services under this agreement, Contractor must provide the Tribe with the environmental health and safety program that Contractor follows. Contractor must review the services to be provided and identify potential hazards that may arise when Contractor provides the service or performs the work. While providing services or performing the work, Contractor must monitor the safety of the job site, comply with all applicable federal, state, and local laws, and follow safe work practices. And even if not applicable, Contractor will follow all federal environmental health and safety regulations issued by the Occupational Safety and Health Administration and the Environmental Protection Agency. All construction activities need an approved traffic control plan to protect all workers and the general public.

3.17 Site Conditions. Contractor shall keep the premises and surrounding area free from accumulation of waste, materials and rubbish. Upon completion of the Work, Contractor will remove all waste materials, rubbish, tools, equipment, machinery and surplus materials.

3.18 Nonconforming Work. When the Tribe determines that any work under this agreement does not conform to the terms of this agreement, including any defects caused by faulty performance, Contractor must correct the work to conform at Contractor's expense.

3.19 Assume Responsibility. Contractor assumes sole responsibility for the acts or omissions of Contractor's employees, agents, subcontractors, their employees and agents, and all others doing work for Contractor or on Contractor's behalf.

3.20 Confidential Information. Contractor may use confidential information about the Tribe only to provide the specific services and work under this agreement. Generally, confidential information is any information that is not known to Contractor or the public before entering into this agreement, including written or verbal information and any information that Contractor may receive under this agreement. Contractor must always maintain the confidentiality of such information, even after this agreement expires or is terminated, unless the Tribe consents in writing to disclose such information or if legally required. Contractor may not copy any confidential information. Any confidential information that Contractor gets must be returned to the Tribe, including notes, immediately after the need for such information ends.

3.21 Document Use and Retention. Contractor agrees that the information for this agreement is only for the Tribe's use and that any documents generated pursuant to this agreement are the Tribe's work product and property. Contractor must not reveal such documents or the information contained in them to a third-party without the Tribal Chairman's written permission. Contractor may retain copies of all documents that Contractor prepares, but may use them only in accordance with specific written instruction from the Tribe and any document requested by the Tribe shall be returned to the Tribe upon such request.

3.22 Tax Information. Before the Tribe can pay Contractor, Contractor must give the Tribe Contractor's IRS tax form W-9, which must include Contractor's federal tax identification number or, if Contractor is a sole proprietorship, Contractor's social security number.

3.23 Right to Audit and Records Retention.

3.23.1 Record retention. Contractor must maintain accurate and complete records for 3 years after final payment. Records include, but are not limited to the following: accounting records; written policies and procedures; subcontractor files (including proposals of successful and unsuccessful bidders, bid recaps, etc.); all paid vouchers including those for out-of-pocket expenses; other reimbursements supported by invoices; ledgers; cancelled checks; deposit slips; bank statements; journals; original estimates; estimating work sheets; contract amendments and change order files; backcharge logs and supporting documentation; insurance documents; payroll documents; timesheets; memoranda; and correspondence.

3.23.2 Right to Audit. Upon request, Contractor must allow the Tribe and its authorized representatives the right to audit, to examine, and to copy all records (in any form) relating to this agreement that Contractor keeps or controls, including those by employees, agents, assigns, successors, and subcontractors. During this agreement and for 3 years after final payment, Contractor must maintain such records. Upon the Tribe's request, Contractor must make such records available for inspection and audit (including copies and extracts of records as required) by the Tribe. Inspections will occur during normal business hours at the Contractor's place of business or at an agreed upon time and location that is convenient for the Tribe. Contractor must ensure the Tribe may exercise these rights and Contractor must

include these rights in any subcontracts or agreements relating to Contractor's obligations under this agreement.

3.23.3 Reasonable audit costs will be borne by the Tribe, unless certain exemption criteria are met. If the audit identifies overpricing or overcharges (of any nature) by the Contractor to Tribe in excess of 0.5% of the total contract billings, the Contractor shall reimburse Tribe for the total costs of the audit. If the audit discovers substantive findings related to fraud, misrepresentation, or non-performance, Contractor must pay the costs of the audit. Any adjustments that Contractor must pay as a result of any such audit shall be made within a reasonable amount of time not to exceed 90 days from presentation of Tribe's findings to Contractor.

3.24 Reservation Safety. Contractor understands that it is working on the Southern Ute Indian Reservation (the "Reservation"), the home of the Tribe. Contractor will be working in close proximity to residential areas, schools, community centers, and places of cultural and archaeological significance. Therefore, it has a duty to take reasonable measures to protect the tribal members, children, employees, and others located on the Reservation with the permission of the Tribe (the "Tribe's members and guests") as well as the Tribe's property from harm. These measures include:

3.24.1 Performing background checks on all employees to ensure that they pose no danger or risk of harm to the Tribe's members and guests and the Tribe's property.

3.24.2 Requiring that such a background check be performed on all employees of any subcontractor and verifying that such background check is performed.

3.24.3 Requiring that, while located on the Reservation, that employees of Contractor and those of any subcontractor stay solely within the designated work zone.

3.24.4 Requiring that all employees of Contractor and those of any subcontractor wear distinctive clothing identifying themselves as being associated with the Contractor or subcontractor.

3.24.5 Ensuring that no employee of Contractor and those of any subcontractor bring any gun or other weapon or any illegal controlled substance on to the Reservation.

3.25 Reliance on work of Contractor. The Tribe is entitled to place complete reliance on the work provided by Contractor under the terms of this agreement and is under no independent duty to ensure that the services provided were properly performed.

3.26 Existing underground utilities, fences, driveways, and ditches. Contractor shall make all arrangements to locate or otherwise ascertain the location of underground utilities. Contractor shall be responsible for any damage to same, as well as to any fences, driveways, ditches, and other existing facilities.

3.27 Concealed or unknown conditions. Contractor represents that, in advance of execution of this SOW it has thoroughly reviewed the existing site conditions and that it has no reason to believe those conditions are not suitable for the Work contemplated herein. If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those expected; or (2) unknown physical conditions of an

unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for, the Contractor shall promptly provide written notice to Shared Services before conditions are disturbed and in no event later than 7 days after first observance of the conditions. The Tribe and Contractor will promptly investigate such conditions and, if Shared Services and Contractor determine that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will recommend that an equitable adjustment be made in the contract sum or contract time, or both. If Shared Services determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of this SOW is justified, Shared Services shall promptly notify the Contractor in writing, stating the reasons. If the Contractor disputes Shared Services' determination or recommendation on this issue, the Contractor may submit a claim for equitable adjustment to Shared Services.

3.28 Discovery of cultural items. If, in the course of the Work, the Contractor encounters historic properties, archeological sites, human remains or recognizes the existence of burial markers, other cultural items not previously reported, or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify Shared Services. Upon receipt of such notice, Shared Services shall promptly take any action necessary to obtain governmental authorization and all necessary approvals required to resume the operations. The Contractor shall continue to suspend such operations in the immediate vicinity of the properties, resources, remains, or items until otherwise instructed by Shared Services but shall continue with all other operations that do not affect those remains or features. Requests for equitable adjustments in the service fees and construction timeline (i.e., a Change Order Request) arising from the existence of such remains or features may be made, if applicable.

3.29 Inspection. Shared Services and its authorized agents shall, at all times, have access to the Work during its construction for inspection, and shall be furnished with every reasonable facility for ascertaining that the workmanship and materials used and employed, are in accordance with the requirements and intentions of the specifications and Contract Documents. All Work done and all materials furnished shall be subject to inspection and approval. The inspection of the work shall not relieve the Contractor of any of its obligations to fulfill this agreement as prescribed and defective work shall be made good and unsuitable materials shall be rejected, notwithstanding that such defective work and materials have been previously overlooked and accepted on estimates for payment. All Work shall be tested to the satisfaction of Shared Services before acceptance. Additionally, upon request by Shared Services, Contractor shall make appropriate records, reports, or information available for inspection and duplication. Failure by Contractor to cooperate with such a request may, in the Tribe's discretion, be treated as an agreement violation.

Article 4 Tribe's Responsibilities

4.1 Information and Services. The Tribe's responsibilities under this section shall be fulfilled with reasonable detail and in a timely manner.

4.2 Worksite Information. To the extent the Tribe has obtained, or is required to obtain the following worksite information, then the Tribe shall provide Contractor the following:

4.2.1 information describing the physical characteristics of the worksite, including surveys, worksite evaluations, legal descriptions, data or drawings depicting existing conditions, subsurface conditions, and environmental studies, reports, and investigations, known to the Tribe;

4.2.2 tests, inspections, and other reports dealing with environmental matters, Hazardous Material and other existing conditions, including structural, mechanical, and chemical tests, required by the Contract Documents or by law;

4.2.3 any other information or services requested in writing by Contractor which are required for Contractor's performance of the Work and under the Tribe's control.

4.3 Permits, Fees, and Authorizations. The Tribe shall work cooperatively with and provide instructions to Contractor regarding the processes and procedures necessary to secure and pay for permits, approvals, easements, assessments, and fees required for the Work.

4.4 Contract Documents. Unless otherwise specified, the Tribe shall provide [___] hard copies of the Contract Documents to Contractor without cost.

4.5 Tribe's Representative. The Tribe's representative is:

Chief Information Officer
Southern Ute Indian Tribe Shared Services
14929 Highway 172
P.O. Box 367
Ignacio, CO 81137
Office: 970.563.5205 / Mobile: 970.501.0518
jengman@southernute.com

The Tribe's representative shall be fully acquainted with the Project and shall have authority to bind Shared Services in some matters and, where necessary, shall be able to request approvals and authorizations needed from other authorized tribal representatives. If the Tribe changes its representative or its representative's authority, the Tribe shall immediately notify Contractor in writing.

4.6 Tribe's Right to Clean Up. In case of a dispute between Contractor and others with regard to respective responsibilities for clean up at the worksite, the Tribe may implement appropriate cleanup measures after two business days' notice and allocate the cost among those responsible during the following pay period.

4.7 Cost of Correcting Damaged or Destroyed Work. With regard to damage or loss attributable to the acts or omissions of the Tribe or others and not to Contractor, the Tribe shall either (a) promptly remedy the damage or loss (and assume affected warranty responsibilities),

(b) accept the damage or loss, or (c) issue a Change Order to remedy the damage or loss. If Contractor incurs costs or is delayed due to such loss or damage, Contractor may seek an equitable adjustment in the Contract Price or Contract Time under this agreement.

Article 5 Project Schedule and Milestones

5.1 It is anticipated that the Project will take approximately _____ to complete. Contractor will begin the Work once the necessary permitting is completed, Contractor has provided its payment and performance bonds and evidence of insurance to Shared Services, and Shared Services issues a written Notice to Proceed (in the form, or in a substantially similar form, as attached hereto and made a part hereof as Exhibit C). The Project schedule and milestones will be set forth in a Project timeline to which the parties mutually agree in writing and which the parties may modify from time to time. The Tribe may determine the sequence in which the Work shall be performed. The Tribe may require Contractor to make reasonable changes in the sequence at any time during the performance of the Work in order to facilitate the performance of work by the Tribe or others. All Work must be complete by the times set forth in the agreed-upon timeline.

This agreement will terminate upon the earlier of the completion of the Work, or the termination of this agreement as set forth herein.

Article 6 Compensation

6.1 The Tribe shall compensate Contractor for Work on the following basis:

6.1.1 Cost of the Work as allowed in Article 7; and:

6.1.2 Contractor's Fee paid in proportion to Work performed subject to adjustment as provided in Section 6.4.

6.1.3 If at Final Completion, Cost of the Work plus Contractor's Fee is less than the GMP, the difference shall be shared as follows: The savings, if any, shall accrue ____percent (%) to the Tribe and _____ percent (%) to Contractor. The shared savings shall be calculated and paid as part of final payment. Contractor shall not be entitled to any portion of the shared savings if either Party terminates this agreement except for a termination for convenience pursuant to section Section 14.4, Contractor's termination pursuant to Section 14.5, or, in the case of a termination for default under Section 14.3, if Section 14.3.3 applies.

6.2 Payment for Work performed shall be as set forth in Article 8.

6.3 Contractor's Fee. Contractor's Fee shall be as follows, subject to adjustment as provided in Section 6.4:

_____ % of the Cost of the Work, or;

\$ _____ a lump sum amount.

6.4 Adjustment in Contractor's Fee. Adjustment in Contractor's Fee shall be made as follows:

6.4.1 if Contractor performs changed work pursuant to Article 8 and if Contractor's Fee is a lump sum amount, Section 8.1.

6.4.2 if Contractor performs changed work pursuant to Article 8 and if Contractor's Fee is a percentage of the Cost of the Work, Contractor's Fees shall be calculated as a percentage of the total Cost of the Work, including changed work pursuant to Article 8.

Article 7 Cost of the Work

7.1 The Tribe agrees to pay Contractor for Cost of the Work as defined in this article. This payment shall be in addition to Contractor's Fee in Section 6.3. The Cost of the Work includes:

7.1.1 Labor wages directly employed by Contractor in the performing the Work.

7.1.2 Salaries of Contractor's employees when stationed at the field office to the extent necessary to complete the applicable Work, employees engaged on the road expediting the production or transportation of material and equipment, and supervisory employees from the principal or branch office as mutually agreed by the Parties in writing;

7.1.3 Cost of all employee benefits and taxes including but not limited to Workers' Compensation, unemployment compensation, Social Security, health, welfare, retirement, and other fringe benefits as required by laws, labor agreements, or paid under Contractor's standard personnel policy, insofar as such costs are paid to employees of Contractor who are included in the Cost of the Work above;

7.1.4 Reasonable transportation, travel, hotel, and moving expenses of Contractor's personnel incurred in connection with Work;

7.1.5 Cost of all materials, supplies, and equipment incorporated in the Work, including costs of inspection and testing if not provided by the Tribe, transportation, storage and handling;

7.1.6 Payments properly made by Contractor to Subcontractors for performed Work;

7.1.7 Cost, including transportation and maintenance of all materials, supplies, equipment, temporary facilities, and hand tools not owned by the workers that are used or consumed in the performance of Work, less salvage value or residual value; and cost less salvage value on such items used, but not consumed, that remain the property of Contractor;

7.1.8 Rental charges of all necessary machinery and equipment, exclusive of hand tools owned by workers, used at worksite, whether rented from Contractor or others, including installation, repair and replacement, dismantling, removal, maintenance, transportation, and delivery costs. Rental from unrelated third parties shall be reimbursed at actual cost. Rentals from Contractor or its affiliates, subsidiaries, or related parties shall be reimbursed at the

prevailing rates in the locality of worksite up to eighty-five percent (75%) of the value of the piece of equipment;

7.1.9 Cost for the premiums for all insurance and surety bonds, which Contractor is required to procure, pay or deems necessary, and approved by the Tribe, including any additional premium incurred as a result of any increase in the Cost of the Work;

7.1.10 Applicable sales, use, gross receipts or other taxes, tariffs, or duties related to Work for which Contractor is liable;

7.1.11 Permits, fees, licenses, and tests;

7.1.12 Losses, expenses or damages to the extent not compensated by insurance or otherwise, and the cost of corrective work before expiration of the one-year period following the date of substantial completion, provided that such losses, expenses, damages, or corrective work did not arise from Contractor's negligence;

7.1.13 Costs associated with establishing, equipping, operating, maintaining, and demobilizing the field office;

7.1.14 Water, power, and fuel costs necessary for the Work;

7.1.15 Cost of removal of all nonhazardous substances, debris, and waste materials;

7.1.16 Costs incurred due to an emergency affecting the safety of persons or property;

7.1.17 Costs directly incurred in performing the Work, or in connection with the Project, and not included in Contractor's Fee as set forth in Article 7, which are reasonably inferable from the Contract Documents.

7.1.18 Discounts. All discounts for prompt payment shall accrue to the Tribe to the extent such payments are made directly by the Tribe. To the extent payments are made with funds of Contractor, all cash discounts shall accrue to Contractor. All trade discounts, rebates, and refunds, and all returns from sale of surplus materials and equipment, shall be credited to Cost of the Work.

7.1.19 Financial Records. Contractor shall maintain complete, accurate, and current records that comply with generally accepted accounting principles and calculate the proper financial management with respect to the Project. The Tribe shall be afforded access to all of Contractor's records, books, correspondence, instructions, drawing, receipts, vouchers, memoranda, and similar data relating to this agreement. Contractor shall preserve all such records for a period of three years after the final payment or longer where required by law. Contractor agrees to use reasonable skill and judgment in the preparation of cost estimates but does not warrant or guarantee them.

Article 8 Change Orders

8.1 Shared Services may from time to time request changes to the Work or services (including, but not limited to, addition, deletion or modification of deliverables, changes in the specifications, and/or changes to any milestones) by issuing a written request, by email or otherwise, to Contractor (a “Change Order Request”). Contractor will promptly respond in writing to any Change Order Request, stating how such proposed modifications to the Work or services will affect the time or materials required for Contractor to perform the Work or services, as well as any proposed equitable adjustment in the cost of work (“Change Order Estimate”). If Shared Services agrees in writing to such Change Order Estimate, then such writing shall constitute confirmation of the agreed-upon changes.

Article 9 Payment

9.1 Due Date. The Tribe will pay Contractor no later than 30 days from the date of Contractor’s invoice.

9.2 Billing. To receive payment, Contractor must submit an invoice(s) to the Tribe, no more frequently than monthly, that itemizes the services or work performed and attach all supporting documentation. Invoices must include the time performing the services and the specific tasks performed.

9.3 Partial Lien Waivers and Affidavits. If required by the Tribe, as a prerequisite for payment, Constructor shall provide a partial lien and claim waiver in the amount of the application for payment and affidavits from its subcontractors and suppliers for the completed Work. Such waivers shall be conditional upon payment.

9.4 Deduction. The Tribe may deduct from any amounts due to Contractor an amount sufficient to protect itself from loss, including from defective work or untimely performance. The Tribe may deduct a sufficient amount for defective workmanship, equipment, or material that Contractor does not remedy within ten days upon receiving written notice of the defect from the Tribe. The Tribe may deduct a sufficient amount for not timely performing the work by the time in the work schedule.

9.5 Final Payment. When Contractor accepts the final payment, Contractor waives all claims against the Tribe, except those previously agreed in writing and that remain unsettled when Contractor accepts final payment.

Article 10 Subcontracts

10.1 Provide Subcontractor Information. The Tribe will decide whether or not to approve a subcontractor after Contractor provides the following six items to the Tribe’s representative:

1. a list of subcontractors;
2. the company’s name;
3. a contact person;
4. contact information (email, address, telephone, cell phone, and fax numbers);

5. the subcontractor's services; and
6. the cost for the services.

10.2 Duties. If Contractor subcontracts, Contractor must:

1. oversee all of the subcontractor's work;
2. follow the Tribe's Employment Rights Code in selecting subcontractors (as a courtesy, the Tribe is providing a "Process for General Contractor to Onboard a New Subcontractor on Phase II of Broadband Project" attached hereto as Exhibit D;
3. ensure that subcontractors exercise their work with the same degree of skill and care required by the industry's customary professional practice;
4. pay any costs incurred for failing to meet these standards; and
5. require that subcontractors comply with all obligations in this agreement.

10.3 Right to Replace. The Tribe reserves the right to require Contractor replace any subcontractor. If the Tribe exercises this right, the Tribe will pay all reasonable costs for replacing subcontractors.

10.4 No Contractual Agreement with Tribe. Nothing in this agreement creates a contractual relationship between any subcontractor and the Tribe.

Article 11 Dispute Resolution

11.1 Non-binding mediation. The parties agree to first attempt to resolve any disputes under this agreement in good faith through non-binding mediation through JAMS.

11.2 Venue. The sole venue for the litigation of claims under this agreement is the Southern Ute Indian Tribal Court. Contractor hereby consents to the personal jurisdiction of the Tribal Court by entering into this agreement. Nothing in this agreement may be construed as a waiver of the Tribe's sovereign immunity.

11.3 Controlling Law. Southern Ute law and applicable federal law control this agreement.

11.4 Non-prevailing Party. If litigation is necessary to enforce this agreement, including collecting amounts owed, the non-prevailing party will pay all litigation costs, collection fees, and attorney's fees.

Article 12 Indemnity, Insurance, and Bonds

12.1 Indemnification by the Tribe. The Tribe agrees to hold Contractor harmless for any loss or damage, liabilities, or judgments sustained by third parties as a consequence of the negligent acts of the Tribe, its agents or employees.

12.2 Indemnification by Contractor. Contractor agrees to hold the Tribe harmless for any loss or damage, liabilities, or judgments sustained by third parties from Contractor's acts or omissions, including from Contractor's agents or employees. Contractor's indemnity obligations will survive after this agreement terminates or expires.

12.3 Contractor's Insurance Requirements. The Contractor shall provide evidence of the following insurance coverages to the Tribe. The Contractor shall not provide services or work for the Tribe until properly completed original certificates of insurance have been received and approved by the Tribe.

GENERAL LIABILITY INSURANCE - OCCURRENCE FORM

Commercial General Liability Insurance must be carried with at least the following limits of liability:

General Aggregate \$2,000,000
Products-Completed Operations Aggregate \$2,000,000
Personal & Advertising Injury \$1,000,000
Each Occurrence \$1,000,000

Required Endorsements:

1. Additional Insured status in favor of the Tribe and any other party as required by the Tribe, including both ongoing and completed operations, as applicable.
2. Primary and non-contributory endorsement.

Prohibited Exclusionary Endorsements
Contractual Liability

The General Liability policy shall be maintained for the applicable statute of limitations.

PROFESSIONAL LIABILITY INSURANCE

Contractor and all subcontractors providing professional services shall provide and maintain Professional Liability Insurance coverage. The policy coverage shall be effective (retroactively, if applicable) from the date of commencement of all professional activities in connection with this agreement.

Both Contractor and subcontractors shall have proof of professional liability coverage in the amount of:
\$2,000,000 each claim and \$2,000,000 aggregate with a maximum deductible of \$50,000 to be paid by Contractor.

The Contractor and subcontractor shall maintain professional liability coverage for the statute of limitations.

WORKERS' COMPENSATION INSURANCE

Worker's Compensation as required by Colorado law for all of the Contractor's employees and Employee's Liability Insurance with the following minimum limits:

Workers' Compensation Coverage Statutory Coverage as required by Colorado.

Employer's Liability Coverage

\$500,000 Limit of Liability Each Accident

\$500,000 Disease-Policy Limit

\$500,000 Disease-Each Employee.

AUTOMOBILE LIABILITY INSURANCE

Business auto policies are required to have: Any auto or owned, non-owned and hired automobile coverage:

Bodily Injury and Property \$1,000,000 Combined Single Limit

EQUIPMENT FLOATER

Contractor shall maintain at its sole cost and expense insurance to protect its own equipment, tools and materials against risk of loss with sufficient limits to cover the value of all of the equipment, tools and materials Contractor may use in performance of the work. Policy shall provide a waiver of subrogation in favor of the Tribe. Contractor is solely responsible for any deductibles, self-insured retentions or uninsured losses for any reason arising out of Contractor's obligations of this Section.

ADDITIONAL INSURED

The Tribe and all of its respective departments, divisions, affiliates, directors, officers, employees and agents and any other party as required by the Tribe must be endorsed on the Contractor's General Liability, Automobile Liability, and Umbrella Liability as an "additional insured." If applicable, coverage for additional insured under the General Liability policy must be both for ongoing and completed operations.

WAIVER OF SUBROGATION

All policies as required of Contractor shall provide a waiver of subrogation in favor of additional insured parties.

CERTIFICATES OF INSURANCE

The Contractor shall furnish an **original** certificate of insurance on ACORD form 25 as evidence that the above insurance is in force stating policy numbers, dates of expiration, limits of liability and coverages thereunder, the name of the project or "Any and All Operations." An original of such notice shall be sent via mail to certificate holder. If the Contractor fails to procure and maintain such insurance,

the Tribe shall have the right (but is not obligated) to procure and maintain the said insurance and the Contractor shall pay the cost thereof and provide all necessary information to affect such insurance. Maintenance of the foregoing insurance coverage shall in no way be interpreted as relieving the Contractor of any responsibility hereunder. The Contractor may secure, at the Contractor's own expense, such additional insurance as the Contractor deems necessary.

SPECIAL PROVISIONS

The Tribe reserves the right to review, approve and/or reject any and all certificates of insurance and required endorsements.

All policies are to be written through companies duly entered and authorized to transact that class of insurance in the state of Colorado. The Insurance Companies must have an A.M. Best rating of A-, VIII or better in the most recent Best's Key Rating Guide.

Approval, disapproval or failure to act by the Tribe regarding any insurance supplied by the Contractor shall not relieve the Contractor of full responsibility or liability for damages and accidents. Neither shall the bankruptcy, insolvency or denial of liability by the insurance carrier shall exonerate the Contractor from liability.

No special payments shall be made for any insurance that the Contractor may be required to carry; all are included in the contract price.

12.4 Bonds. Contractor shall furnish performance and payments bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all Contractor's obligations under this agreement. These bonds shall remain in effect at least until one year after the date when final payment becomes due.

Article 13 Office of Foreign Assets Control, Anti-Money Laundering Compliance

13.1 OFAC Compliance. Contractor is not a "foreign person" within the meaning of Section 1445 of the Internal Revenue Code of 1986, as amended. Neither Contractor nor, to Contractor's actual knowledge, any Person (defined below) who owns a direct or indirect interest in Contractor (collectively, a "Contractor Party") is now nor shall be at any time during the term of this agreement an individual, corporation, partnership, joint venture, association, joint stock company, trust, trustee, estate, limited liability company, unincorporated organization, real estate investment trust, government or any agency or political subdivision thereof, or any other form of entity (collectively, a "Person") with whom a United States citizen, entity organized under the laws of the United States or its territories or entity having its principal place of business within the United States or any of its territories (collectively, a "U.S. Person"), including a United States Financial Institution as defined in 31 U.S.C. 5312, as periodically amended ("Financial Institution"), is prohibited from transacting business of the type contemplated by this agreement, whether such prohibition arises under United States law, regulation, executive orders and lists published by the Office of Foreign Assets Control, Department of the Treasury ("OFAC") (including those executive orders and lists published by OFAC with respect to Persons that have

been designated by executive order or by the sanction regulations of OFAC as Persons with whom U.S. Persons may not transact business or must limit their interactions to types approved by OFAC) or otherwise.

13.2 Anti-Money Laundering. Neither Contractor nor, to Contractor's knowledge, any Contractor Party, (i) is under investigation by any governmental authority for, or has been charged with, or convicted of, money laundering, drug trafficking, terrorist related activities, any crimes which in the United States would be predicate crimes to money laundering or any violation of any Anti-Money Laundering Laws or any violation of any Anti-Corruption Laws; (ii) has been assessed civil or criminal penalties under any Anti-Money Laundering Laws or under any Anti-Corruption Laws; or (iii) has had any of its funds seized or forfeited in any action under any Anti Money Laundering Laws or any Anti-Corruption.

13.3 Definitions. For purposes of this agreement, the following terms shall have the meanings set forth below:

1. "Anti-Money Laundering Laws" shall mean laws, regulations and sanctions, state and federal, criminal and civil, that (1) limit the use of and/or seek the forfeiture of proceeds from illegal transactions; (2) limit commercial transactions with designated countries or individuals believed to be terrorists, narcotics dealers or otherwise engaged in activities contrary to the interests of the United States; (3) require identification and documentation of the parties with whom a Financial Institution conducts business; or (4) are designed to disrupt the flow of funds to terrorist organizations. Such laws, regulations and sanctions shall be deemed to include the USA PATRIOT Act of 2001, Pub. L. No. 107-56, the Bank Secrecy Act, 31 U.S.C. Section 5311 et. seq., the Trading with the Enemy Act, 50 U.S.C. App. Section 1 et. seq., the International Emergency Economic Powers Act, 50 U.S.C. Section 1701 et. seq., the Money Laundering Control Act of 1986 and the sanction regulations promulgated pursuant thereto by the OFAC, as well as laws relating to prevention and detection of money laundering in 18 U.S.C. Section 1956 and 1957.
2. "Anti-Corruption Laws" shall mean any anti-corruption laws of any applicable jurisdiction including the U.S. Foreign Corrupt Practices Act, 15 U.S.C. Section 78dd-1, et seq.

13.4 Certification. Contractor shall deliver to the Tribe within five business days after receipt of a written request therefor, a written certification or such other evidence reasonably acceptable to the Tribe evidencing and confirming Contractor's compliance with Sections 10.1 and 10.2 hereof. If at any time the representations set forth in either Section 10.1 or 10.2 hereof become false, Contractor shall be deemed to be in default of this agreement and the Tribe shall have the right to exercise all of the remedies set forth in this agreement in the event of a Contractor default or to terminate this agreement immediately and collect damages as a result of such Contractor default.

13.5 Indemnification. Anything in this agreement or otherwise to the contrary notwithstanding, Contractor hereby agrees to defend, indemnify, and hold harmless the Tribe, its officers, members, managers, partners, directors, agents, employees and counsel from and against any and all claims, damages, losses, risks, liabilities and expenses (including attorney's fees and costs) arising from or related to any breach of the representations, warranties and

covenants set forth in Sections 10.1 and 10.2 of this agreement.. The indemnity obligations of Contractor under this Section 10.5 shall survive the termination or expiration of this agreement.

Article 14 Suspension, Notice to Cure, and Termination

14.1 Suspension by the Tribe for Convenience. Should the Tribe order Contractor in writing to suspend, delay, or interrupt the performance of the Work for the convenience of the Tribe and not due to any act or omission of Contractor or any person or entity for whose acts or omissions Contractor may be liable, then Contractor shall immediately suspend, delay, or interrupt that portion of the Work for the time period ordered by the Tribe. Any action taken by the Tribe that is permitted by any other provision of the Contract Documents and that results in a suspension of part or all of the Work does not constitute a suspension of Work under this section.

14.2 Notice to Cure a Default. If Contractor persistently fails to supply enough qualified workers, proper materials, or equipment to maintain the approved schedule of the Work, or fails to make prompt payment to its workers, subcontractors, or suppliers, disregards an applicable law or requirement or orders of any authority having jurisdiction, or is otherwise guilty of a material breach of a provision of this agreement, Contractor may be deemed in default.

14.2.1 After receiving the Tribe's written notice, if Contractor fails within seven days after receipt of written notice from the Tribe to commence and continue satisfactory correction of such default with diligence and promptness, then the Tribe shall give Contractor a second notice to correct the default within three business days after receipt. The second notice to Contractor, and if applicable, the surety, may include, that the Tribe intends to terminate this agreement for default absent appropriate corrective action.

14.2.2 If Contractor fails to promptly commence and continue satisfactory correction of the default following receipt of such second notice, the Tribe without prejudice to any other rights or remedies may: (a) take possession of the worksite; (b) complete the Work utilizing reasonable means; (c) withhold payment due to Contractor; and (d) as the Tribe deems necessary, supply workers and materials, equipment, and other facilities for the satisfactory correction of the default, and charge Contractor the costs and expenses, including reasonable overhead, profit, and attorneys' fees.

14.2.3 In the event of an emergency affecting the safety of persons or property, the Tribe may immediately commence and continue satisfactory correction of such default without first giving written notice to Contractor but shall give Contractor prompt written notice.

14.3 Tribe's Right to Terminate for Default.

14.3.1 Termination by the Tribe' for Default. Upon expiration of the second notice period to cure pursuant to Section 14.2 and absent appropriate corrective action, the Tribe may terminate this agreement by written notice. Termination for default is in addition to any other remedies available to the Tribe under Section 14.2. If the Tribe's costs arising out of Contractor's failure to cure, including the costs of completing the Work and reasonable attorneys' fees, exceed the unpaid Contract Price, Contractor shall be liable to the Tribe for such excess costs. If the Tribe exercises its rights under this section, upon the request of

Contractor, the Tribe shall furnish to Contractor a detailed accounting of the costs incurred by the Tribe.

14.3.2 Use of Contractor's Materials, Supplies, and Equipment. If the Tribe or others perform work under Section 14.2, the Tribe shall have the right to take and use any materials and supplies for which the Tribe has paid and located at the worksite for the purpose of completing any remaining Work. the Tribe and others performing work under Section 14.2 shall also have the right to use construction tools and equipment located on the worksite and belonging to the Contractor or subcontractors for the purpose of completing the remaining Work, but only after Contractor's written consent. If the Tribe uses Contractor's construction tools and equipment in accordance with this subsection, then the Tribe shall indemnify and hold harmless Contractor and applicable Subcontractors and the agents, officers, directors, and employees of each of them, from and against all claims, damages, losses, costs, and expenses, including but not limited to reasonable attorneys' fees, costs, and expenses incurred in connection with the Tribe's use of Contractor's or applicable subcontractor's construction tools and equipment. Immediately upon completion of the Work, any remaining materials, supplies, or equipment not consumed or incorporated in the Work shall be returned to Contractor in substantially the same condition as when they were taken, reasonable wear and tear excepted.

14.3.3 If Contractor files a petition under the Bankruptcy Code, this agreement shall terminate if: (a) Contractor or Contractor's trustee rejects the Agreement; (b) a default occurred and Contractor is unable to give adequate assurance of required performance; or (c) Contractor is otherwise unable to comply with the requirements for assuming this agreement under the applicable provisions of the Bankruptcy Code.

14.3.4 The Tribe shall make reasonable efforts to mitigate damages arising from Contractor default, and shall promptly invoice Contractor for all amounts due pursuant to Sections 14.2 and 14.3.

14.4 Termination by Tribe for Convenience.

14.4.1 Upon Contractor's receipt of the Tribe's written notice from the Tribe, the Tribe may, without cause, terminate this agreement. Contractor shall immediately stop the Work, follow the Tribe's instructions regarding shutdown and termination procedures, and strive to minimize any further costs.

14.4.2 If the Tribe terminates this agreement for convenience, Contractor shall be paid: (a) for the Work performed to date including overhead and profit; (b) for all reasonable documented demobilization costs and costs incurred resulting from termination, but not including overhead or profit on Work not performed; (c) reasonable costs related to the Work and incurred as a direct result of such termination.

14.4.3 If the Tribe terminates this agreement for any reason, Contractor shall:

14.4.3.1 execute and deliver to the Tribe all papers and take all action required to assign, transfer, and vest in the Tribe the rights of Contractor to all materials, supplies, and equipment for which payment has been or will be made in accordance with the Contract Documents and, if requested by the Tribe: all subcontracts, orders, and commitments which have been made in accordance with the Contract Documents;

14.4.3.2 exert reasonable effort to reduce to a minimum the Tribe's liability for subcontracts, orders, and commitments that have not been fulfilled at the time of the termination;

14.4.3.3 cancel any subcontracts, orders, and commitments as the Tribe directs; and

14.4.3.4 sell at prices approved by the Tribe any materials, supplies, and equipment as the Tribe directs, with all proceeds paid or credited to the Tribe.

14.5 Contractor's Right to Terminate.

14.5.1 Seven days after the Tribe's receipt of written notice from Contractor, Contractor may terminate this agreement if the Work has been stopped for a 60-day period through no fault of Contractor for any of the following reasons:

- (a) under court order or order of other governmental authorities having jurisdiction;
- (b) as a result of the declaration of a national emergency or other governmental act during which, through no act or fault of Contractor, materials are not available; or
- (c) suspension by the Tribe for convenience pursuant to Section 14.1.

14.5.2 In addition, upon written notice to the Tribe and an opportunity to cure within 20 business days, Contractor may terminate this agreement if the Tribe:

14.5.2.1 fails to pay Contractor in accordance with this agreement and is not, in good faith, disputing a payment request; or

14.5.2.2 otherwise materially breaches this agreement.

14.5.3 Upon termination by Contractor in accordance with Section 14.5.2, Contractor is entitled to recover from the Tribe payment for all Work executed and for any proven loss, cost, or expense in connection with the Work, including all reasonable documented demobilization costs plus reasonable overhead and profit on Work not performed.

14.6 Obligations Arising Before Termination. Even after notice of termination, the provisions of this agreement still apply to any Work performed, payments made, events occurring, costs charged or incurred, or obligations arising before the effective termination date.

Article 15 Miscellaneous

15.1 Entire Agreement. This agreement constitutes the sole agreement of the parties with respect to its subject matter. It supersedes any prior written or oral agreements or communications between the parties. It may not be modified except in a writing signed by the parties.

15.2 No Assignment. Contractor may not assign this agreement without the Tribe's prior written consent. Contractor entering into contracts with subcontractors is not considered an assignment. However, a change of control of Contractor does constitute an assignment.

15.3 Waiver. If either party fails to require the other to perform any term of this agreement, that failure does not prevent the party from later enforcing that term. If either party waives the other's breach of a term, that waiver is not treated as waiving a later breach of the term.

15.4 Notices. All notices and other communications required or permitted under this agreement must be in writing and must be sent to the party at that party's address set forth in this contract:

If to the Tribe: Chief Information Officer
Southern Ute Indian Tribe Shared Services
14929 Hwy 172
P.O. Box 467
Ignacio, CO 81147

If to Contractor:

15.5 Severability. If any part of this agreement is for any reason held to be unenforceable, the rest of it remains fully enforceable.

15.6 "Including." Unless the context requires otherwise, the term "including" means "including but not limited to."

15.7 Headings. Headings are for convenience only and do not affect the interpretation of this agreement.

15.8 Counterparts and Electronic Signatures. This agreement may be signed in counterparts, each one of which is considered an original, but all of which constitute one and the same instrument. Faxed or electronic signatures have the same effect as original signatures.

AGREED TO AND APPROVED BY THE PARTIES ON THE SOUTHERN UTE INDIAN RESERVATION

SOUTHERN UTE INDIAN TRIBE

**NAME OF INDEPENDENT
CONTRACTOR**

Melvin J. Baker, Chairman
Southern Ute Indian Tribal Council

Insert Contractor's Name & Title

Date

Date

P.O. Box or Street Address

City, State Zip Code

Exhibit A (Scope of Work)
to
Professional Services Agreement
for
Construction Services for Phase II of Southern Ute Indian Tribe's Broadband Project

1. Project Overview.

The Project (i.e., Phase II of the Tribe's broadband modernization project) is to expand the backbone network from Phase I to build a fiber-to-the-home (FTTH) network reaching most of the Native American households within the Southern Ute Indian Reservation (i.e., approximately 1,798 homes).

The network has been designed with a microduct and microfiber approach. This allows a multiduct system to be placed across the Reservation and future-proof the network by providing six additional ducts for future fiber or leasing/IRU options for the Tribe. This design is a passive optical network (PON), which is a point-to-multipoint network. The PON protocol will be XGS-PON (ITU-T G.9807.1), which has 10 Gbps downstream bandwidth and 10 Gbps upstream. Compared to the GPON protocol (ITU-T G.984.2) XGS-PON has 4 times more downstream bandwidth and 8 times more upstream bandwidth. The Tribe will use a 64-way split, which will allow the Tribe to offer symmetric services of 1000-Mbps/1000-Mbps and 2000-Mbps/2000-Mbps. The Tribe's minimum residential Internet offering will be 250-Mbps downstream and 250-Mbps upstream.

Construction will take place in the ground unless opportunistic aerial routes are identified during permitting and construction planning. All underground fiber will be protected in duct. Duct branches and duct tapers will split apart/branch off or bind together fiber strands. Duct closures will be utilized to complete the microduct redirecting process.

2. Scope of Work.

The scope of work includes all construction and services necessary for the installation of 25.8 miles of 12-count fiber, 158.25 miles of 48-count fiber, and 114 miles of 144-count fiber within the Southern Ute Indian Reservation in southwest Colorado. The Project's design calls for the contractor to use plowing and boring as the predominate construction techniques with trenching used as may be required. Depending on the results of the environmental reviews and biological assessments for the Project, the contractor may have to use more or less boring. The contractor will implement or work cooperatively with Shared Services to implement any mitigation measures or stipulations that may be required based on an environmental assessment prepared by or for the Southern Ute Indian Tribe for the Project.

Design prints are available upon request to aid in the development of proposals. The Project will take place primarily within the rights-of-way of state and county roads, in residential subdivisions, and in the rights-of-way of private roads. Please reach out to Delbert Cuthair, Southern Ute Broadband Manager, at dcuthair@southernute.com for access.

The contractor will provide construction services as directed and authorized by Shared Services. Responsibilities will include, but not necessarily be limited to:

- Labor, tools, and equipment to perform all underground and aerial (if utilized) construction. Any aerial work will be done in the communication space on electric utility poles.
- Procurement of minor materials and consumables, and materials management services. The Tribe has already purchased major materials because of supply chain cost and availability concerns. Major materials include microduct, microfiber, fiber distribution hubs, handholes, pedestals, vaults, and network electronics.
- Project management services, including on-location project oversight. The project managers will be expected to attend weekly project and permitting meetings to ensure proper coordination of deliverables. It is expected that the project will be broken up into smaller segments to aid in complying with the requirements of the National Environmental Policy Act. Segmenting will allow the contractor to begin construction on those segments that are more easily permitted. The Tribe currently utilizes an ArcGIS map that identifies routes that are green lit for construction activities.
- Inspection services. The contractor will be required to employ construction inspectors for quality assurance. Shared Services may contract with a third party for construction inspection services that are in addition to, but not a substitute for, the construction inspection services provided by the contractor.
- Communication including PSAs and onsite collaboration with area residents.
- Project performance tools will need to be used throughout the project using a construction management platform (e.g., Ocius-X). The Tribe desires ongoing visibility during the construction process that features a dashboard, map visualization, permit management, financial overview, and customer management. This will give the Tribe complete visibility into the project and allows the team to mitigate any future issues or concerns. Crews can easily do their daily reporting on the map from their smartphone or tablet. It's as simple as painting the bored/trenched/plowed routes with the line tool and includes all billable items, including photos and where the work was completed. This will then trigger the construction inspection work to begin. Once completed and approved, the construction contractor can bill for the completed work.
- Warrantee work as directed for defects or incomplete services.
- Compliance with all applicable telecommunication industry regulatory requirements.
- Financial tracking and forecasting of budget versus actuals.
- Traffic control lead to ensure development and approval of a robust traffic control plan to maximize crew safety and the safety of the general public.

3. Project Details.

The Project Details are attached in the following Exhibits:

- Exhibit E - Engineering Unit Totals. The Tribe funded detailed engineering ahead of the Tribe's NTIA submission. The proposal will need to provide a complete construction estimate, plus any contingencies, to complete the engineered work units.

- Exhibit F – Phase II Pre-Purchased Materials. Due to supply chain and inflationary price increase costs concerns the Tribe pre-ordered certain major materials once the NTIA award was granted to the Tribe. The proposal will need exclude these materials in the construction estimate.
- Exhibit G – Sample Engineering Prints. The Tribe funded detailed engineering ahead of the Tribe’s NTIA submission. This exhibit shows a sample of the engineering prints for the Phase II project. If more detailed information is needed to build out your proposal, then the detailed design prints are available upon request. Please reach out to Delbert Cuthair, Southern Ute Broadband Manager, at dcuthair@southernute.com for access.

4. High-Level Schedule Summary.

Task	Key Deliverables	Timeline
National Environmental Policy Act (NEPA) Compliance	<ul style="list-style-type: none"> • Identify segments for CATEX. • Identify segments requiring full environmental assessment. • Define a project plan to achieve project wide NEPA compliance. 	April 2023 to June 2023
Project Permitting and Clearances	<ul style="list-style-type: none"> • Permitting and Easements. • Environmental Assessments. • Biological Assessments. • Cultural Preservation Clearances. 	May 2023 to June 2025
Construction Planning and Installation	<ul style="list-style-type: none"> • Construction Planning and Alignment with Permitting. • Construction on “green-lit” segments. 	May 2023 to November 2025
Network Activation	<ul style="list-style-type: none"> • Activate the network by segment. • Test the network. • Turn the network over to business operation by segment. 	November 2023 to December 2025

Exhibit B (Process to onboard a new subcontractor on the broadband project)

3/30/22 Reviewed by the Lands, SECMG, TERO, Legal, Shared Services and Contractor

1. Contractor runs the subcontractor selection process (in compliance with the TERO Code preferences in subcontracting requirements – See Art. 5, TERO Code)
 - a. Contractor requests the list of certified Indian owned businesses from the TERO Office.
 - i. Contractor sends the list to Leah Cleve to review and identify any certified Indian owned businesses that have had negative performance issues with Shared Services or Southern Ute Growth Fund entities.
 - ii. If there are no certified Indian owned businesses (“IOBs”) that are technically qualified to perform the work, Contractor emails confirmation of that determination to the TERO Office (e.g., Roland Nez).
 - iii. Contractor complies with other TERO Code requirements (e.g., provides info to technically unqualified IOBs; makes good faith effort to divide work into smaller contracts so an IOB can qualify).
 - b. Contractor solicits bids from multiple companies (minimum of three) and including any IOBs that are technically qualified to perform work.
 - i. Safety Prequalification (PQF) Review with SECMG
 1. Contractor has potential subcontractors fill out PQF (as provided by SECMG) as part of their bid package
 2. For contractors performing on-the-ground construction, Contractor sends the completed Safety PQF to SECMG for review.
 - a. NOTE: A review is not required for contractors providing offsite professional services nor for delivery vendors (e.g. waste management, storage container drop-off, etc.)
 3. Any follow-up questions from the review will be sent to the applicable Project Manager for Contractor.
 4. After completion of the review, SECMG will send an e-mail to the applicable Project Managers for Contractor and Maria Irwin indicating if the use of the contractor is recommended or not recommended.
 5. The status of the Contractor PQF Review will be tracked [here](#).
 - ii. Contractor complies with TERO Code requirements (e.g., gives preference to IOB as required under TERO Code; offers IOB single opportunity to resubmit a revised bid.
 - c. Contractor selects subcontractor
 - i. Have selected sub contact TERO Office (Roland Nez) to understand TERO compliance:
 1. Is selected sub a “Covered Employer”? (Yes, if doing business on Reservation, on land subject to jurisdiction of Tribe, and employs for wages five or more persons.)
 2. Will selected sub be hiring five or more persons for work on Reservation on land subject to jurisdiction of Tribe? (If yes, then must comply with TERO Code hiring preferences)

3. Does TERO contract fee apply? (No, unless performing building construction or oil and gas field work.)
 4. Does annual payroll fee apply? (No, and no payroll and salary information is required, unless 20 or more employees or gross revenues of \$500k or more, and some employees perform work on an annual basis principally on the Reservation on land subject to Tribe's jurisdiction)
 - ii. Have selected sub submit Scope of Work (template provided by Contractor), cost estimate, schedule (i.e. bid package), to Contractor.
 - iii. Contractor obtains a crossing permit for selected sub from Tribe's Lands Division (or sub obtains directly) – 1 day in person or 2 weeks via mail.
 1. Contractor requests crossing permit from Lands Division, pays with check
 2. Vehicle pass, pays with check, Contractor vehicle pass
 - iv. TERO Compliance
 1. Selected sub sends TERO Compliance Plan Application directly to TERO Office (Roland Nez). Contractor project manager sends TERO Office associated subs Scope of Work (SOW) with Contractor.
 2. TERO Office processes application within 5 business days of receiving a completed TERO Compliance Plan Application, with requested attachments
 3. Contractor follows up with TERO Office (Roland Nez) for confirmation for completion, requests crossing permit from Tribe's Lands Division.
 4. TERO will send TERO compliance email to Contractor and Sub
2. Contractor requests Shared Services approval of sub via email, by emailing the subcontractors bid package to Shared Services (to Jeff, Leah and Delbert, cc Sam, Andy) to review, containing:
- a. Name of subcontractor
 - b. Primary point of contact with contact information
 - c. Scope of Work
 - d. Key contract terms
 - i. As a Contractor subcontractor, _____ must comply with all of Contractor's obligations as set forth in that certain Master Services Agreement between the Southern Ute Indian Tribe dba Southern Ute Indian Tribe Shared Services ("Shared Services") and Contractor dated effective December 9, 2020.
 - e. Certificate of Insurance
 - f. Safety Prequalification Form with notes from SECMG
 - g. Cost
 - h. Written assurance of TERO compliance, one paragraph in an email to Shared Services explaining
 - i. Were there any certified Indian owned businesses that can provide services?
 - ii. Did Contractor use competitive bid procedures when selecting a subcontractor?
 - iii. Letter from TERO, if applicable.
3. Shared Services decides whether to approve the subcontractor, under Master Services Agreement, within 5 business days

- a. Reviews email package from Contractor
 - i. Sam assists review as requested
 - ii. Shared Services assures TERO compliance, as listed above
- b. Shared Services confirms objection or no objection to the use of the subcontractor, via an email back to Contractor (reserving right to require replacement)

DISCLAIMER: This process sheet is provided as a courtesy in an effort to streamline the subcontracting process on the Tribe's broadband project. It is not intended, does not constitute, and should not be construed or relied upon as legal advice regarding compliance with the Tribe's TERO Code or Contractor's obligations to comply with applicable law.

Note on service providers: updated 3/31/22

1. New service providers are subcontractors, and need to go through this process
2. Comply with TERO (may or may not be applicable)
3. Obtain a crossing permit (Seana looking into more flexible options for single-day delivery situation)
4. Service providers are not subject to SECMG review of the Safety Prequalification Form
5. Service providers are subs and therefore should be approved by Shared Services

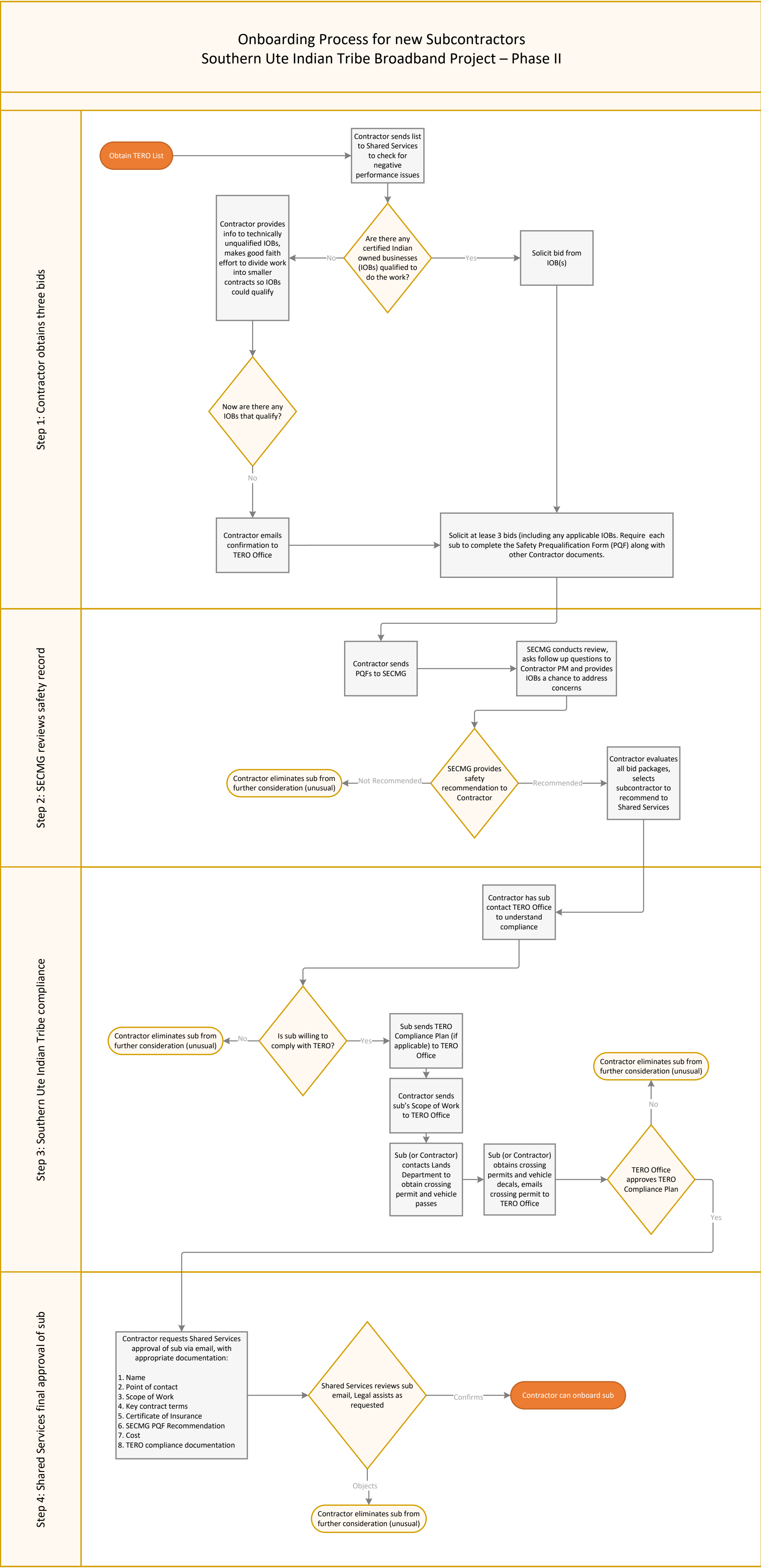


Exhibit C (Notice to Proceed)

NOTICE TO PROCEED

To: _____

Date: _____

Project: **Southern Ute Shared Services – Broadband Modernization Project (Phase II Fiber Construction)**

You are hereby notified to commence WORK in accordance with the Agreement dated _____
_____, on or before _____, and you are to complete the WORK within the
time set forth in the Project Timeline. The date of completion of all WORK is therefore _____
_____.

Owner Southern Ute Indian Tribe Shared Services

By: _____

Title: _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged

By _____

this ____ day of _____, 2023

Exhibit D - PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS: that _____

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal,
(Corporation, Partnership, or Individual))

and _____
(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of 100% of the Total Contract Price equal to _____ Dollars \$(_____), in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expenses which the OWNER may incur in making good any default, then this obligation shall be void, otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed hereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration and addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be deemed an original, this the ____ day of _____, 20____.

ATTEST: _____
(Principal)

(Principal Secretary)

(SEAL)

BY _____(s)

(Witness as to Principal)

(Address)

ATTEST: _____
(Surety)

(Suretyl Secretary)

(SEAL)

BY _____(s)
(Attorney in Fact)

(Address)

(Witness as to Suretyl)

(Address)

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must be authorized to transact business in the State where the PROJECT is located.

Exhibit D - PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS: that _____

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal,
(Corporation, Partnership, or Individual)

and _____
(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of 100% of the Total Contract Price equal to _____ Dollars \$(_____), in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, SUBCONTRACTORS, and corporations furnishing materials for or performing labor in the prosecution of the WORK provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK, and all insurance premiums on said WORK, and for all labor, performed in such WORK, whether by SUBCONTRACTOR or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration and addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be deemed an original, this the ____ day of _____, 20____.

ATTEST: _____
(Principal)

(Principal Secretary)

(SEAL)

BY _____(s)

(Witness as to Principal)

(Address)

ATTEST: _____
(Surety)

(Suretyl Secretary)

(SEAL)

BY _____(s)
(Attorney in Fact)

(Address)

(Witness as to Suretyl)

(Address)

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must be authorized to transact business in the State where the PROJECT is located.

Exhibit E - Engineering Unit Totals

Key #	RUS CODE	SHORT DESC FOR PRINTS	LONG DESCRIPTION	UNIT	NE	NW	SE	SW	ARBOLES	Ignacio	AREAS 1-5	GRAND TOTAL
2	BM61(3)	BORE NON-PIPE	DIRECTIONAL NON-PIPE BORE	FT	21743	120899	111617	24976	58815	44234	6914	389198
-	BM61(3) - 1 Duct Pullback			FT	21743	119969	110467	24902	43023	39027	5759	364890
-	BM61(3) - 2 Duct Pullback			FT	0	888	1150	74	15792	5165	852	23921
-	BM61(3) - 3 Duct Pullback			FT	0	0	0	0	0	21	279	300
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	PLOW 7 MICRODUCT BUNDLE (7/3.5MM)	FT	2712	213278	31912	72874	0	0	0	320776
15	BFV(7/3.5MM)(12X1)	PLOW 12 MD	PLOW 12 MICRODUCT BUNDLE (7/3.5MM)	FT	0	0	0	0	0	0	21510	21510
17	BFV(7/3.5MM)(24X1)	PLOW 24 MD	PLOW 24 MICRODUCT BUNDLE (7/3.5MM)	FT	0	0	0	0	0	0	12386	12386
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	PLOW 1X1 16/12 MICRODUCT BUNDLE	FT	68725	283241	208907	56904	0	0	7513	625290
23	BFV(7/3.5MM)(7X1)T	TNCH 7 MD	TRENCH 7 MICRODUCT BUNDLE (7/3.5MM)	FT	115	747	638	50	0	0	0	1550
24	BFV(7/3.5MM)(12X1)T	TNCH 12 MD	TRENCH 12 MICRODUCT BUNDLE (7/3.5MM)	FT	0	0	0	0	0	7	6795	6802
26	BFV(7/3.5MM)(24X1)T	TNCH 24 MD	TRENCH 24 MICRODUCT BUNDLE (7/3.5MM)	FT	0	0	0	0	0	0	5602	5602
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	TRENCH 1X1 16/12 MICRODUCT BUNDLE	FT	180	1183	665	180	80	130	699	3117
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	PULL MICRODUCT IN NON-PIPE BORE 7 MICRODUCT BUNDLE	FT	4700	65418	35496	15721	0	0	0	121335
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	PULL MICRODUCT IN NON-PIPE BORE 12 MICRODUCT BUNDLE	FT	0	0	0	0	48907	32804	4680	86391
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	PULL MICRODUCT IN NON-PIPE BORE 24 MICRODUCT BUNDLE	FT	0	0	0	0	8106	8165	1932	18203
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	PULL 1X1-16/12MM MICRODUCT IN NON PIPE BORE	FT	17043	55285	72829	8202	17594	8472	1712	181137
39	BFV(16/12MM)(7X1)	PLOW 7X1 - 16/12MM MD	PLOW 7X1-16/12MM MICRODUCT BUNDLE	FT	0	4465	17346	11793	0	0	0	33604
40	BFV(16/12MM)(7X1)IE	PULL 7X1-16/12MM MD	PULL 7X1-16/12MM MICRODUCT IN NON PIPE BORE	FT	0	1084	4442	1127	0	0	0	6653
41	BFVC(7MM)	PL HEX COUP 7MM	PLACE HEXATRONIC DUCT COUPLER-7MM MICRODUCT	EA	133	4411	903	1260	2548	3869	3624	16748
42	BFVC(16MM)	PL HEX COUP 16MM	PLACE HEXATRONIC DUCT COUPLER-16MM MICRODUCT	EA	126	755	686	374	80	59	31	2111
51	UO12MF	PULL 12 MF	PULL 12 MICROFIBER IN DUCT	FT	13316	225391	90472	85515	80	130	130	415034
52	UO48MF	PULL 48 MF	PULL 48 MICROFIBER IN DUCT	FT	55326	260844	162024	52175	9832	1478	8105	549784
53	UO12MF-COIL	PL 12 MF COIL	PLACE 12 MICROFIBER COIL	FT	2000	33430	10720	9200	960	1560	1560	59430
58	UO24MF	PULL 24 MF	PULL 24 MICROFIBER IN DUCT	FT	0	0	32099	0	0	0	0	32099
54	UO24MF-COIL	PL 24 MF COIL	PLACE 24 MICROFIBER COIL	FT	0	0	1200	0	0	0	0	1200
55	UO48MF-COIL	PL 48 MF COIL	PLACE 48 MICROFIBER COIL	FT	5660	31100	14760	6420	900	1000	2300	62140
56	UO144MF	PULL 144 MF	PULL 144 MICROFIBER IN DUCT	FT	49546	128005	139678	138513	7762	6994	2585	473083
57	UO144MF-COIL	PL 144 MF COIL	PLACE 144 MICROFIBER COIL	FT	3320	18820	10160	4120	1200	1800	300	39720
81	BM2(5/8)(8)	PL GRND ROD	GROUND ROD	EA	155	1153	462	237	19	29	27	2082
82	BM53LB	PL LOC BALL	PL ELECTRONIC LOCATE BALL	EA	104	454	236	102	225	334	182	1637
83	BM75-DAP-SD	PL DAP-SD	PLACE DUCT ACCESS POINT BRANCH-EXCAVATION ONLY FOR COUPLERS	EA	0	0	0	0	45	60	15	120
84	BM75-DAP	PL DAP	PLACE DUCT ACCESS POINT-EXCAVATION ONLY FOR COUPLERS	EA	0	0	0	0	184	230	125	539
85	BM53(6)P	PL FBR WARN MARK	BURIED FIBER WARNING MARKER	EA	34	106	123	37	25	4	8	337
86	BM53(6)PL	PL FBR WARN MARK - LOC	BURIED FIBER WARNING MARKER - LOCATEABLE	EA	19	161	61	35	11	16	14	317
98	R1-10	CLEAR 10' ROW	CLEAR ROW 10' WIDE	FT	380	0	0	0	0	0	0	380
101	HO1	PL FUS SPLICE	FUSION SPLICE	EA	1543	8955	4057	1615	584	796	1098	18648
104	HUSO(11.5X30)	PL SPLICE CASE	SPLICE CASE	EA	23	163	73	42	12	17	18	348
106	HO6	OTDR FIBER TESTING	OTDR FIBER TESTING AT TERMINAL AND FDH	EA	319	2367	820	324	32	52	779	4693
111	BHF(30X48X36)	PL HH	HAND HOLE 30"X48"X30"	EA	19	161	61	35	11	16	14	317
112	BHF-TB	PL TOBY BOX	PLACE HEXATRONIC TOBY BOX SUBSCRIBER ACCESS CHAMBER	EA	104	454	237	102	225	295	171	1588
141	FDH(48)	PL FBR DIST HUB 48	FIBER DISTRIBUTION HUB 48 PORT	EA	9	40	19	9	8	13	13	111
151	BDO204	PL PED/TERM	PLACE COMBO PED/TERM	EA	127	952	382	193	0	0	0	1654
241	WUD	EXPOSE DUCT	LOCATE AND EXPOSE EXISTING DUCT BUNDLE	EA	40	69	49	16	0	0	3	177
244	WBHF	RE-ENTER HH	RE-ENTER HANDHOLE	EA	13	27	21	21	5	7	8	102

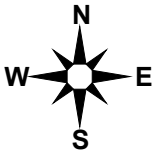
Exhibit F - Phase II Pre-Purchased Materials

Part Number	Description	Unit	Qty
Micro Duct Assemblies for FTTx networks Distribution Segment			
MPB302781UV8	1x7/3.5 mm micro duct assembly, direct bury, TIA-598, tracer wire, feet marking, 6,560 feet reel	each	193
MPB302787UV8	7x7/3.5 mm micro duct assembly, direct bury, TIA-598, tracer wire, feet marking, 6,560 feet reel	each	62
MPB3027812UV8	12x7/3.5 mm micro duct assembly, direct bury, TIA-598, tracer wire, feet marking, 6,560 feet reel	each	16
MPB3027824UV8	24x7/3.5 mm micro duct assembly, direct bury, TIA-598, tracer wire, feet marking, 6,560 feet reel	each	5
Micro Duct Assemblies for FTTx networks Feeder Segment			
MPB302972UV	16/12mm microduct assembly, 2-way,tracer wire, direct bury, TIA-598	feet	731,008
MPB302977UV	16/12mm microduct assembly, 7-way,tracer wire, direct bury, TIA-598	feet	50,090
Air Blown Micro Cables for Feeder Segment			
TOL4019501/12CF	Micro Cable 12f (1x12) G657A1 TIA598 250 µm TIA598, 5.6 mm	feet	433,671
TOL4019501/24CF	Micro Cable 24f (2x12) G657A1 TIA598 250 µm TIA598, 5.6 mm	feet	29,969
TOL4019501/48CF	Micro Cable 48f (4x12) G657A1 TIA598 250 µm TIA598, 5.6 mm	feet	564,228
TOL4019501/144CF	Micro Cable 144f (12x12) G657A1 TIA598 250 µm TIA598, 8.1 mm	feet	375,433
Air Blown Fiber Distribution Hub			
HUS00030	Street Cabinet 96 - SCAPC adapters Beige 7mm	each	118
RDJ901200/81	SPLM 1:2, SC/APC, 180/730	each	76
RDJ901200/13	1:16 SPLITTER SC APC 180 730MM leg length	each	297
A10601	Pigtail 1xSM G657A SC/APC Blue 1m	each	3,230
KRPM258017/4000M	ABF Stingray 12xG657A1 TIA598 PAN 4,000 meters (13,120 ft.)	each	22
Fiber Splice Closure for Air Blown Fiber Systems			
ISCUS-ODC2-AA-192F	Pre-configured splice node compact dome closure, capacity 192 fiber splices	each	356
Air Blown Fiber Homes Connected Materials			
KRPM258047/6000M	ABF STINGRAY 2 FIBER G657 A1 BOX 6,000 meter (19,686 ft.)	each	75
HUS00027	CTB1 Blk, pre-loaded w/SC/APC Duplex Adapter	each	1,615
Air Blown Fiber Accessories			
HSBX-TBY-BOX-SQ21	Yard access chamber (Toby box v2) to land 1-way 7/3.5 mm micro duct assemblies	each	1,430
NTM50207	Cleaning Sponges for 7/3.5 mm (pack of 100)	pack	54
1/MPB30601/7	Straight Connector for micro duct 7/3.5 mm, ordering increments is 100	each	15,400
1/MPB30606/7	End Stop for micro duct OD 7 mm, ordering increments is 100	each	3,600
NDK12103	Microduct End Caps, Strain Relief, 7/3.5 mm (pack of 100)	pack	200
SRS10617/2	End sleeve for 15-21 mm micro duct, ordering increments is 50	each	400
SRS10617/3	End sleeve for 21-29 mm micro duct, ordering increments is 50	each	100
SRS10617/4	End Sleeve for 29-38 mm micro duct, ordering increments is 40	each	40
SRS10617/5	End sleeve for 38-45 mm micro duct, ordering increments is 25	each	50
MPB30405	End sleeve for 42-68mm micro duct, ordering increments is 25	each	25
HSXA136108/1	Cable end caps 6 mm - for blowing in Hexatronic Microcable, ordering increments of 10	each	90
HSXA136108/3	Cable end caps 8 mm - for blowing in Hexatronic Microcable, ordering increments of 10	each	30
NTK102245/2	Blowing Beads, 8-12f Stingray ABF units (pack of 100)	pack	16
NTK102245/1	Blowing Beads, 2-4f Stingray ABF units (pack of 100)	pack	9
MTV11001/1	Microduct lubricant 0.24l	each	18
1/MPB30601/16	Straight Connector for micro duct 16/12 mm, ordering increments is 10	each	3,420
1/MPB30606/16	End Stop for micro duct OD 16 mm, ordering increments is 10	each	80
MPB32050/2	Marker End Stop Telecom 101.4kHz OR-kit, ordering increments of 10	each	1,430
MPB32100/1	Marker Ball Telecom 101.4kHz, OR ordering increments of 10	each	290
MPB30608/16C	16mm Divisible Seal 5.0-6.5mm, ordering increments is 25	each	400
MPB30608/16E	16mm Divisible Seal 8.0-10mm, ordering increments is 25	each	175
Air Blown Fiber Hand Tools			
LTT1792040	Air Blown Fiber (ABF) Installation Tool	each	1
NTB101116	Tripod for ABF installation tool with ball joint	each	1

Exhibit G - Sample
Engineering Prints

SOUTHERN UTE INDIAN RESERVATION
CONSTRUCTION PLANS
PHASE 2 - FDH 10, CO,
LA PLATA COUNTY

WORK PLAN INDEX	
SHEET	DRAWING NAME
1	COVER SHEET
2-8	PROJECT SHEETS



LEGEND	
	EXISTING PEDESTAL
	EXISTING HANDHOLE
	NEW HAND HOLE
	DUCT ACCESS POINT
	DUCT ACCESS POINT STEP DOWN
	TOBY BOX
	BORE PIT
	NEW FIBER MARKER
	FIBER DISTRIBUTION HUB
	MILE POST
	EXISTING CULVERT
LINE TYPES	
	1 WAY FIBER DUCT (16/12mm)
	12 WAY FIBER DUCT
	24 WAY FIBER DUCT
	AERIAL EXISTING BB FIBER
	ROW LINE
	WATER LINE
	POWER LINE
	COMMUNICATION LINE
	GAS
BOUNDARY	
	FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

Key #	RUS Code		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	5196
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	FT	10
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	4563
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	312
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	363
41	BFVC(7MM)	PL HEX COUP 7MM	EA	405
42	BFVC(16MM)	PL HEX COUP 16MM	EA	2
51	UO12MF	PULL 12 MF	FT	10
53	UO12MF-COIL	PL 12 MF COIL	FT	120
56	UO144MF	PULL 144 MF	FT	363
57	UO144MF-COIL	PL 144 MF COIL	FT	200
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53-LB	PL LOC BALL	EA	28
83	BM75-DAP-SD	PL DAP-SD	EA	5
84	BM75-DAP	PL DAP	EA	21
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	2
101	HO1	PL FUS SPLICE	EA	60
104	HUSO(11.5X30)	PL SPLICE CASE	EA	2
106	HO6	FIBER TEST	EA	4
111	BHF(30X48X36)	PL HH	EA	2
112	BHF-TB	PL TOBY BOX	EA	26
141	FDH(48)	PL FBR DIST HUB 48	EA	1
244	WBHF	RE-ENTER HH	EA	1

SCOPE OF WORK:

THIS PROPOSED PROJECT IS FROM SOUTHERN UTE INDIAN RESERVATION TO
PHASE 02 - FDH 10, CO - LA PLATA COUNTY.

PROJECT APPROVAL SIGN-OFFS:

LA PLATA COUNTY	DATE
SOUTHERN UTE INDIAN TRIBE	DATE



DATE CREATED: 7/1/22

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02 - FDH 10

FILE NAME:
PHASE 02 - FDH 10.DWG

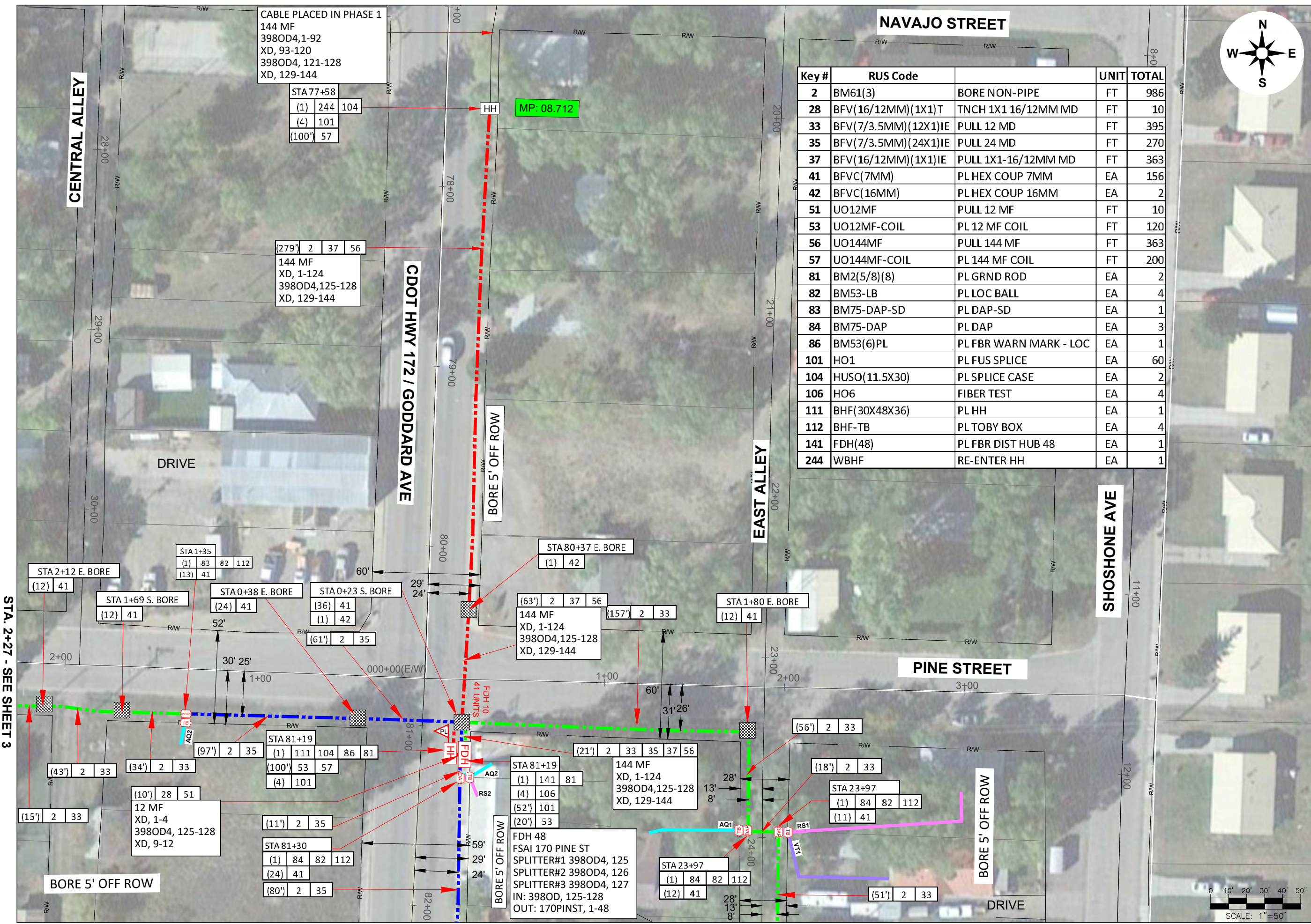
DESCRIPTION:
PRE DESIGN

MAP:
1 OF 8



STA. 77+58

STA. 19+37



NAVAJO STREET				
Key #	RUS Code		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	986
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	FT	10
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	395
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	270
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	363
41	BFVC(7MM)	PL HEX COUP 7MM	EA	156
42	BFVC(16MM)	PL HEX COUP 16MM	EA	2
51	UO12MF	PULL 12 MF	FT	10
53	UO12MF-COIL	PL 12 MF COIL	FT	120
56	UO144MF	PULL 144 MF	FT	363
57	UO144MF-COIL	PL 144 MF COIL	FT	200
81	BM2(5/8)(8)	PL GRND ROD	EA	2
82	BM53-LB	PL LOC BALL	EA	4
83	BM75-DAP-SD	PL DAP-SD	EA	1
84	BM75-DAP	PL DAP	EA	3
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	60
104	HUSO(11.5X30)	PL SPLICE CASE	EA	2
106	HO6	FIBER TEST	EA	4
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	4
141	FDH(48)	PL FBR DIST HUB 48	EA	1
244	WBHF	RE-ENTER HH	EA	1



LEGEND

EXISTING PEDESTAL

EXISTING HANDHOLE

NEW HAND HOLE

DUCT ACCESS POINT

DUCT ACCESS POINT STEP DOWN

TOBY BOX

BORE PIT

NEW FIBER MARKER

FIBER DISTRIBUTION HUB

MILE POST

EXISTING CULVERT

LINE TYPES1 WAY FIBER DUCT (16/12mm)12 WAY FIBER DUCT24 WAY FIBER DUCTAERIALEXISTING BB FIBERROW LINEWATER LINEPOWER LINECOMMUNICATION LINEGAS**BOUNDARY**FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED: 7/1/22

DATE REVISED:

DRAWN BY: BONFIRE

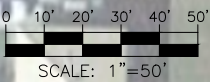
COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02 - FDH 10

FILE NAME:
PHASE 02 - FDH 10.DWG

DESCRIPTION:
PRE DESIGN

MAP:
2 of 8





Key #	RUS Code		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	260
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	260
41	BFVC(7MM)	PL HEX COUP 7MM	EA	24
82	BM53-LB	PL LOC BALL	EA	1
84	BM75-DAP	PL DAP	EA	1
112	BHF-TB	PL TOBY BOX	EA	1



LEGEND

EXISTING PEDESTAL

EXISTING HANDHOLE

NEW HAND HOLE

DUCT ACCESS POINT

DUCT ACCESS POINT STEP DOWN

TOBY BOX

BORE PIT

NEW FIBER MARKER

FIBER DISTRIBUTION HUB

MILE POST

EXISTING CULVERT

LINE TYPES

1 WAY FIBER DUCT (16/12mm)

12 WAY FIBER DUCT

24 WAY FIBER DUCT

AERIAL

EXISTING BB FIBER

ROW LINE

WATER LINE

POWER LINE

COMMUNICATION LINE

GAS

BOUNDARY

FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

DATE CREATED: 7/1/22

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:
BONFIRE

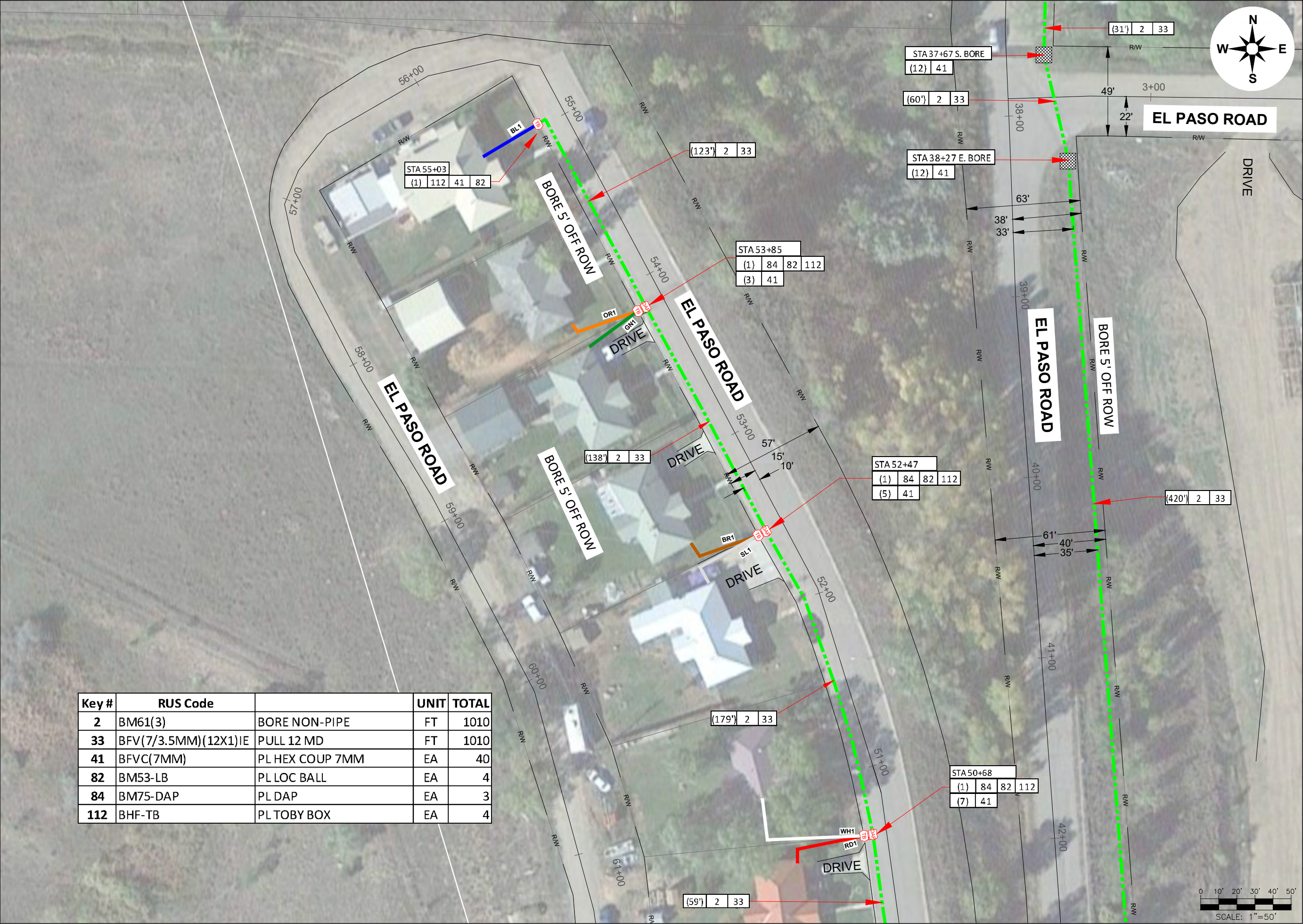
SITE ADDRESS:
PHASE 02 - FDH 10

FILE NAME:
PHASE 02 - FDH 10.DWG

DESCRIPTION:
PRE DESIGN

MAP:
3 of 8





LEGEND

EXISTING PEDESTAL

EXISTING HANDHOLE

NEW HAND HOLE

DUCT ACCESS POINT

DUCT ACCESS POINT STEP DOWN

TOBY BOX

BORE PIT

NEW FIBER MARKER

FIBER DISTRIBUTION HUB

MILE POST

EXISTING CULVERT

LINE TYPES

1 WAY FIBER DUCT (16/12mm)

12 WAY FIBER DUCT

24 WAY FIBER DUCT

AERIAL EXISTING BB FIBER

ROW LINE

WATER LINE

POWER LINE

COMMUNICATION LINE

GAS

BOUNDARY

FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED:	7/1/22
DATE REVISED:	
DRAWN BY:	BONFIRE
COMPANY:	BONFIRE
SITE ADDRESS:	PHASE 02 - FDH 10
FILE NAME:	PHASE 02 - FDH 10.DWG
DESCRIPTION:	PRE DESIGN
MAP:	4 of 8



Key #	RUS Code		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	1010
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	1010
41	BFVC(7MM)	PL HEX COUP 7MM	EA	40
82	BM53-LB	PL LOC BALL	EA	4
84	BM75-DAP	PL DAP	EA	3
112	BHF-TB	PL TOBY BOX	EA	4

Key #	RUS Code		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	867
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	867
41	BFVC(7MM)	PL HEX COUP 7MM	EA	43
81	BM2(5/8)(8)	PL GRND ROD	EA	1
82	BM53-LB	PL LOC BALL	EA	2
84	BM75-DAP	PL DAP	EA	2
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	2



LEGEND

EXISTING PEDESTAL
 EXISTING HANDHOLE
 NEW HAND HOLE
 DUCT ACCESS POINT
 DUCT ACCESS POINT STEP DOWN
 TOBY BOX
 BORE PIT
 NEW FIBER MARKER
 FIBER DISTRIBUTION HUB
 MILE POST
 EXISTING CULVERT

LINE TYPES
 1 WAY FIBER DUCT (16/12mm)
 12 WAY FIBER DUCT
 24 WAY FIBER DUCT
 AERIAL EXISTING BB FIBER
 ROW LINE
 WATER LINE
 POWER LINE
 COMMUNICATION LINE
 GAS

BOUNDARY
 FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED: 7/1/22

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02 - FDH 10

FILE NAME:
PHASE 02 - FDH 10.DWG

DESCRIPTION:
PRE DESIGN

MAP:
5 of 8





Key #	RUS Code		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	1073
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	1031
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	42
41	BFVC(7MM)	PL HEX COUP 7MM	EA	92
82	BM53-LB	PL LOC BALL	EA	11
83	BM75-DAP-SD	PL DAP-SD	EA	2
84	BM75-DAP	PL DAP	EA	9
112	BHF-TB	PL TOBY BOX	EA	11



LEGEND

- EXISTING PEDESTAL
- EXISTING HANDHOLE
- NEW HAND HOLE
- DUCT ACCESS POINT
- DUCT ACCESS POINT STEP DOWN
- TOBY BOX
- BORE PIT
- NEW FIBER MARKER
- FIBER DISTRIBUTION HUB
- MILE POST
- EXISTING CULVERT

LINE TYPES

- 1 WAY FIBER DUCT (16/12mm)
- 12 WAY FIBER DUCT
- 24 WAY FIBER DUCT
- AERIAL EXISTING BB FIBER
- ROW LINE
- WATER LINE
- POWER LINE
- COMMUNICATION LINE
- GAS

BOUNDARY

- FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED: 7/1/22

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:
BONFIRE

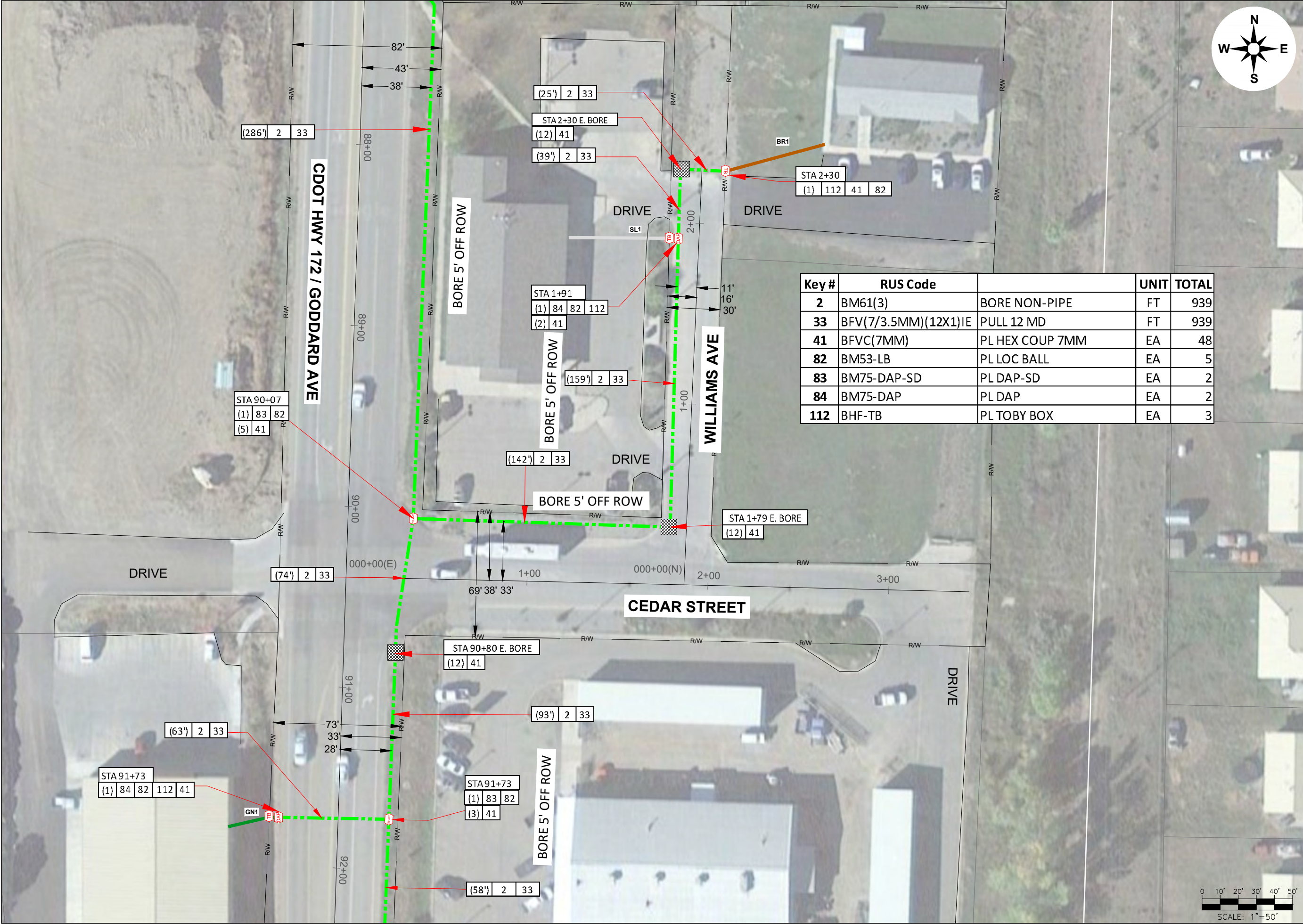
SITE ADDRESS:
PHASE 02 - FDH 10

FILE NAME:
PHASE 02 - FDH 10.DWG

DESCRIPTION:
PRE DESIGN

MAP:
6 of 8





LEGEND

- EXISTING PEDESTAL
- EXISTING HANDHOLE
- NEW HAND HOLE
- DUCT ACCESS POINT
- DUCT ACCESS POINT STEP DOWN
- TOBY BOX
- BORE PIT
- NEW FIBER MARKER
- FIBER DISTRIBUTION HUB
- MILE POST
- EXISTING CULVERT

LINE TYPES

- 1 WAY FIBER DUCT (16/12mm)
- 12 WAY FIBER DUCT
- 24 WAY FIBER DUCT
- AERIAL
- EXISTING BB FIBER
- ROW LINE
- WATER LINE
- POWER LINE
- COMMUNICATION LINE
- GAS

BOUNDARY

- FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

DATE CREATED: 7/1/22

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02 - FDH 10

FILE NAME:
PHASE 02 - FDH 10.DWG

DESCRIPTION:
PRE DESIGN

MAP:
7 of 8



LEGEND

- EXISTING PEDESTAL
- EXISTING HANDHOLE
- NEW HAND HOLE
- DUCT ACCESS POINT
- DUCT ACCESS POINT STEP DOWN
- TOBY BOX
- BORE PIT
- NEW FIBER MARKER
- FIBER DISTRIBUTION HUB
- MILE POST
- EXISTING CULVERT

LINE TYPES

- 1 WAY FIBER DUCT (16/12mm)
- 12 WAY FIBER DUCT
- 24 WAY FIBER DUCT
- AERIAL
- EXISTING BB FIBER
- ROW LINE
- WATER LINE
- POWER LINE
- COMMUNICATION LINE
- GAS

BOUNDARY

- FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED: 7/1/22

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02 - FDH 10

FILE NAME:
PHASE 02 - FDH 10.DWG

DESCRIPTION:
PRE DESIGN

MAP:
8 of 8



INTERSECTION OF HWY 151 AND SUNSET TRAIL
CONSTRUCTION PLANS
PHASE 2 - FDH 6, ARBOLES CO,
ARCHULETA COUNTY

WORK PLAN INDEX	
SHEET	DRAWING NAME
1	COVER SHEET
2-9	PROJECT SHEETS



LEGEND	
	EXISTING PEDESTAL
	EXISTING HANDHOLE
	NEW HAND HOLE
	DUCT ACCESS POINT
	DUCT ACCESS POINT STEP DOWN
	TOBY BOX
	BORE PIT
	NEW FIBER MARKER
	FIBER DISTRIBUTION HUB
	MILE POST
	EXISTING CULVERT
LINE TYPES	
	1 WAY FIBER DUCT (16/12mm)
	12 WAY FIBER DUCT
	24 WAY FIBER DUCT
	AERIAL
	EXISTING BB FIBER
	ROW LINE
	WATER LINE
	POWER LINE
	COMMUNICATION LINE
	GAS
BOUNDARY	
	FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED: 2022-06-29

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:

BONFIRE

SITE ADDRESS:

PHASE 02- FDH 6

FILE NAME:

PHASE 02 - FDH 6.APRX

DESCRIPTION:

ARBOLES FINAL DESIGN

MAP:

1 OF 9



Key #	RUS Code		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	6367
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	FT	10
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	5087
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	945
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	1791
41	BFVC(7MM)	PL HEX COUP 7MM	EA	282
42	BFVC(16MM)	PL HEX COUP 16MM	EA	10
51	UO12MF	PULL 12 MF	FT	10
53	UO12MF-COIL	PL 12 MF COIL	FT	120
56	UO144MF	PULL 144 MF	FT	1791
57	UO144MF-COIL	PL 144 MF COIL	FT	200
81	BM2(5/8)(8)	PL GRND ROD	EA	2
82	BM53LB	PL LOC BALL	EA	29
83	BM75-DAP-SD	PL DAP-SD	EA	5
84	BM75-DAP	PL DAP	EA	25
85	BM53(6)P	PL FBR WARN MARK	EA	3
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	64
104	HUSO(11.5X30)	PL SPLICE CASE	EA	1
106	HO6	FIBER TEST	EA	4
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	29
141	FDH(48)	PL FBR DIST HUB 48	EA	1
244	WBHF	RE-ENTER HH	EA	1

ALL SHEETS FOR THIS FDH SET WILL REQUIRE ARCHULETA COUNTY PERMITS.

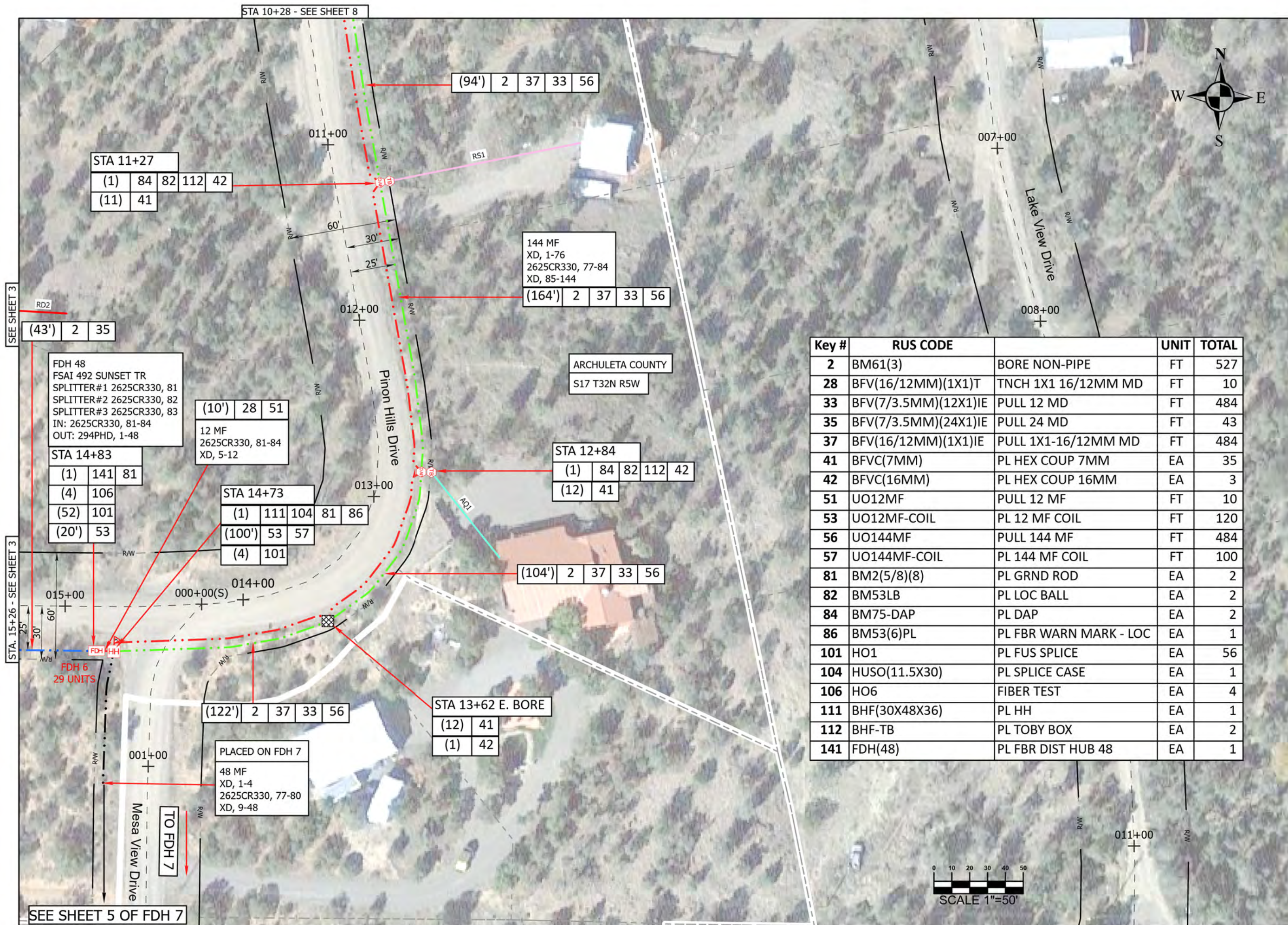
SCOPE OF WORK:

THIS PROPOSED PROJECT IS FROM INTERSECTION OF HWY 151 AND SUNSET TRAIL TO
PHASE 02 - FDH 6, ARBOLES, CO - ARCHULETA COUNTY.

PROJECT APPROVAL SIGN-OFFS:

ARCHULETA COUNTY DATE

SOUTHERN UTE INDIAN TRIBE DATE



LEGEND

EXISTING PEDESTAL
EXISTING HANDHOLE
NEW HAND HOLE
DUCT ACCESS POINT
DUCT ACCESS POINT STEP DOWN
TOBY BOX
BORE PIT
NEW FIBER MARKER
FIBER DISTRIBUTION HUB
MILE POST
EXISTING CULVERT

LINE TYPES
1 WAY FIBER DUCT (16/12mm)
12 WAY FIBER DUCT
24 WAY FIBER DUCT
AERIAL
EXISTING BB FIBER
ROW LINE
WATER LINE
POWER LINE
COMMUNICATION LINE
GAS

BOUNDARY
FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	527
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	FT	10
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	484
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	43
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	484
41	BFVC(7MM)	PL HEX COUP 7MM	EA	35
42	BFVC(16MM)	PL HEX COUP 16MM	EA	3
51	UO12MF	PULL 12 MF	FT	10
53	UO12MF-COIL	PL 12 MF COIL	FT	120
56	UO144MF	PULL 144 MF	FT	484
57	UO144MF-COIL	PL 144 MF COIL	FT	100
81	BM2(5/8)(8)	PL GRND ROD	EA	2
82	BM53LB	PL LOC BALL	EA	2
84	BM75-DAP	PL DAP	EA	2
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	56
104	HUSO(11.5X30)	PL SPLICE CASE	EA	1
106	HO6	FIBER TEST	EA	4
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	2
141	FDH(48)	PL FBR DIST HUB 48	EA	1



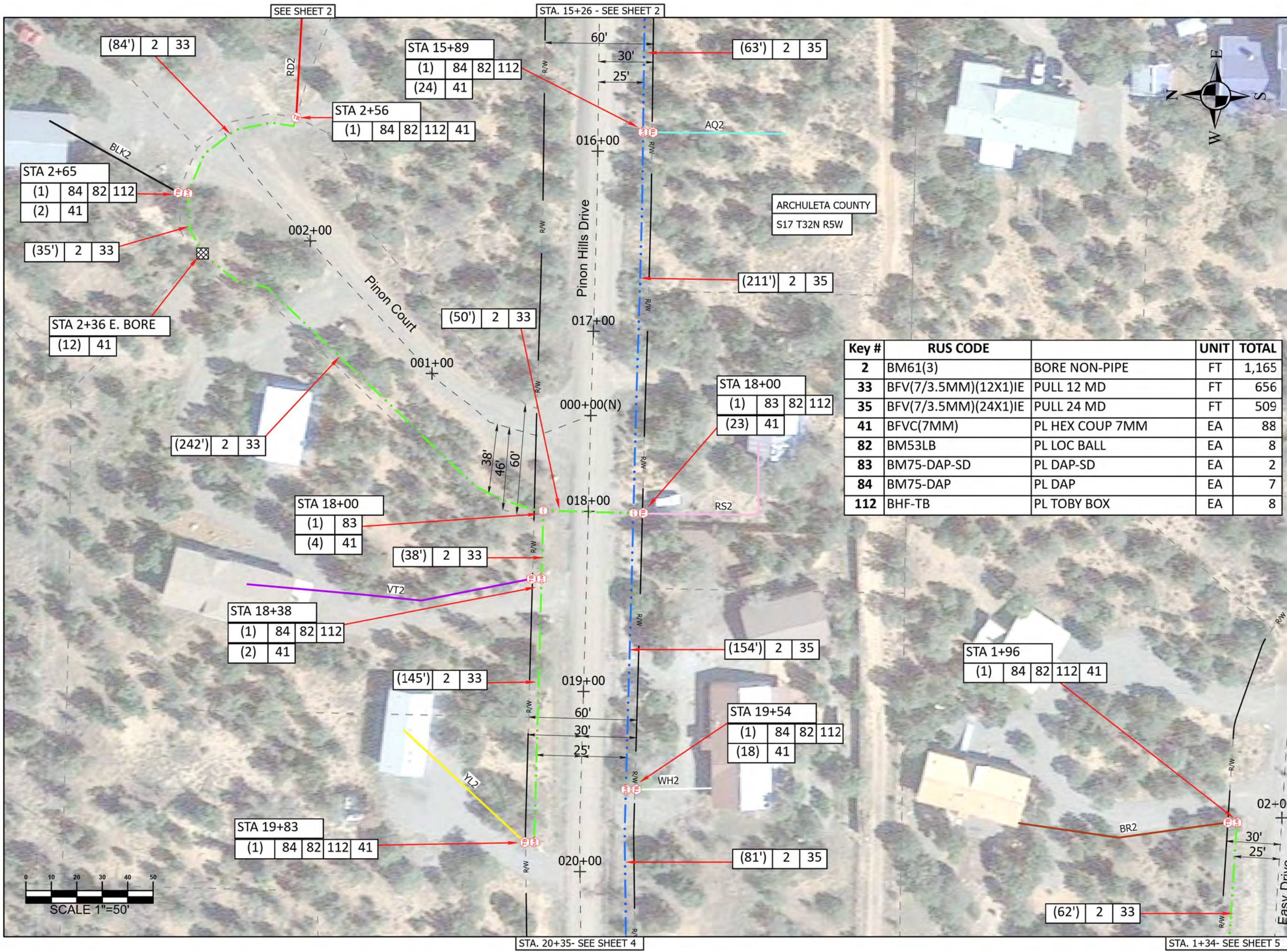
DATE CREATED: 2022-06-29
DATE REVISED:
DRAWN BY: BONFIRE
COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02- FDH 6

FILE NAME:
PHASE 02-FDH 6.APRX

DESCRIPTION:
ARBOLES FINAL DESIGN

MAP:
2 OF 9



LEGEND

EXISTING PEDESTAL
EXISTING HANDHOLE
NEW HAND HOLE
DUCT ACCESS POINT
DUCT ACCESS POINT STEP DOWN
TOBY BOX
BORE PIT
NEW FIBER MARKER
FIBER DISTRIBUTION HUB
MILE POST
EXISTING CULVERT

LINE TYPES

1 WAY FIBER DUCT (16/12mm)
12 WAY FIBER DUCT
24 WAY FIBER DUCT
AERIAL
EXISTING BB FIBER
ROW LINE
WATER LINE
POWER LINE
COMMUNICATION LINE
GAS

BOUNDARY

FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	1,165
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	656
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	509
41	BFVC(7MM)	PL HEX COUP 7MM	EA	88
82	BM53LB	PL LOC BALL	EA	8
83	BM75-DAP-SD	PL DAP-SD	EA	2
84	BM75-DAP	PL DAP	EA	7
112	BHF-TB	PL TOBY BOX	EA	8



DATE CREATED: 2022-06-29

DATE REVISED:

DRAWN BY: BONFIRE

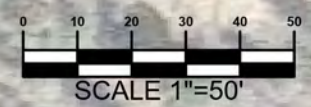
COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02- FDH 6

FILE NAME:
PHASE 02-FDH 6.APRX

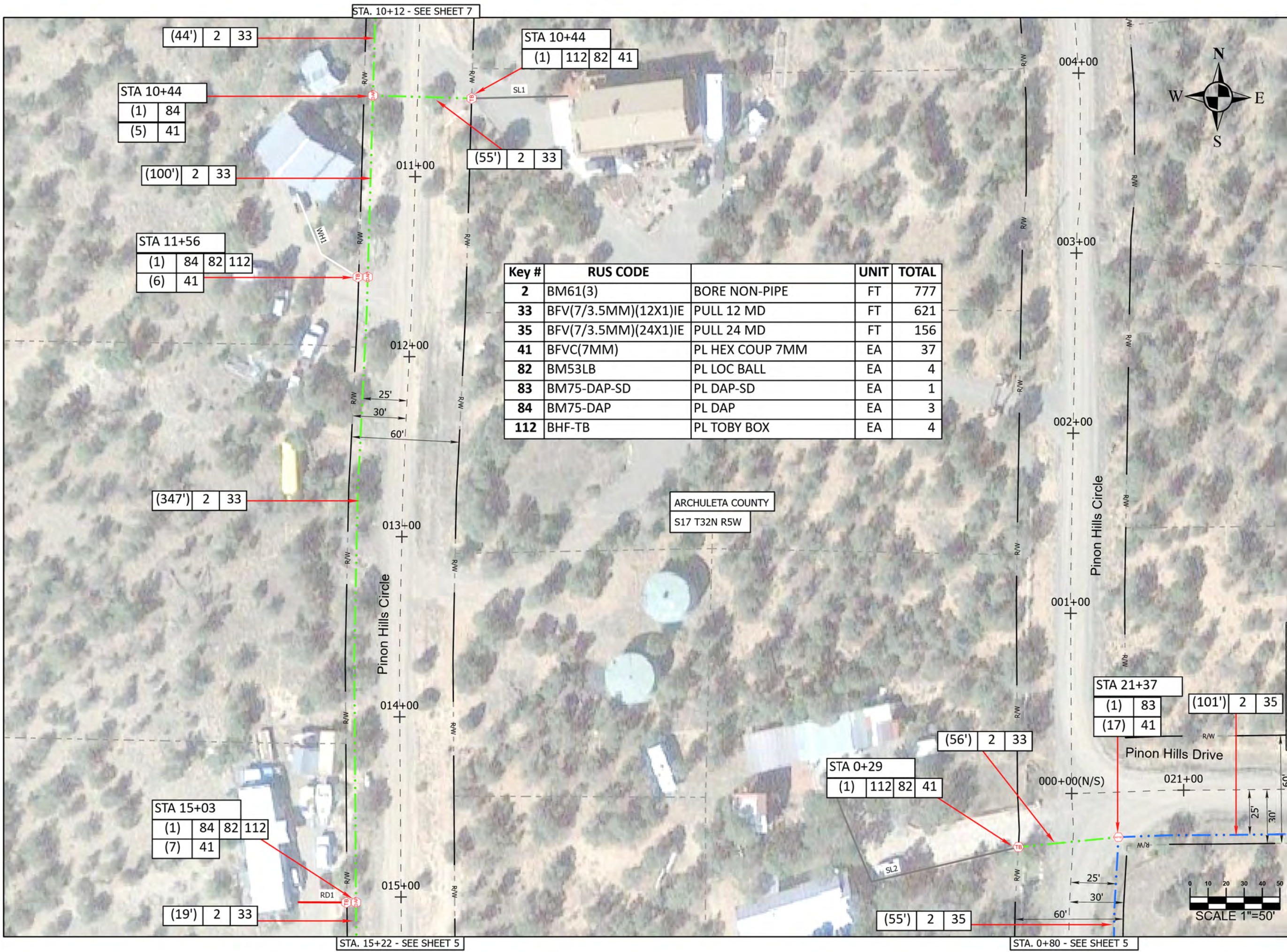
DESCRIPTION:
ARBOLES FINAL DESIGN

MAP:
3 OF 9



STA. 20+35- SEE SHEET 4

STA. 1+34- SEE SHEET 5



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	777
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	621
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	156
41	BFVC(7MM)	PL HEX COUP 7MM	EA	37
82	BM53LB	PL LOC BALL	EA	4
83	BM75-DAP-SD	PL DAP-SD	EA	1
84	BM75-DAP	PL DAP	EA	3
112	BHF-TB	PL TOBY BOX	EA	4

LEGEND

LINE TYPES

BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED: 2022-06-29

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:

BONFIRE

SITE ADDRESS:

PHASE 02- FDH 6

FILE NAME:

PHASE 02-FDH 6.APRX

DESCRIPTION:

ARBOLES FINAL DESIGN

MAP:

4 OF 9

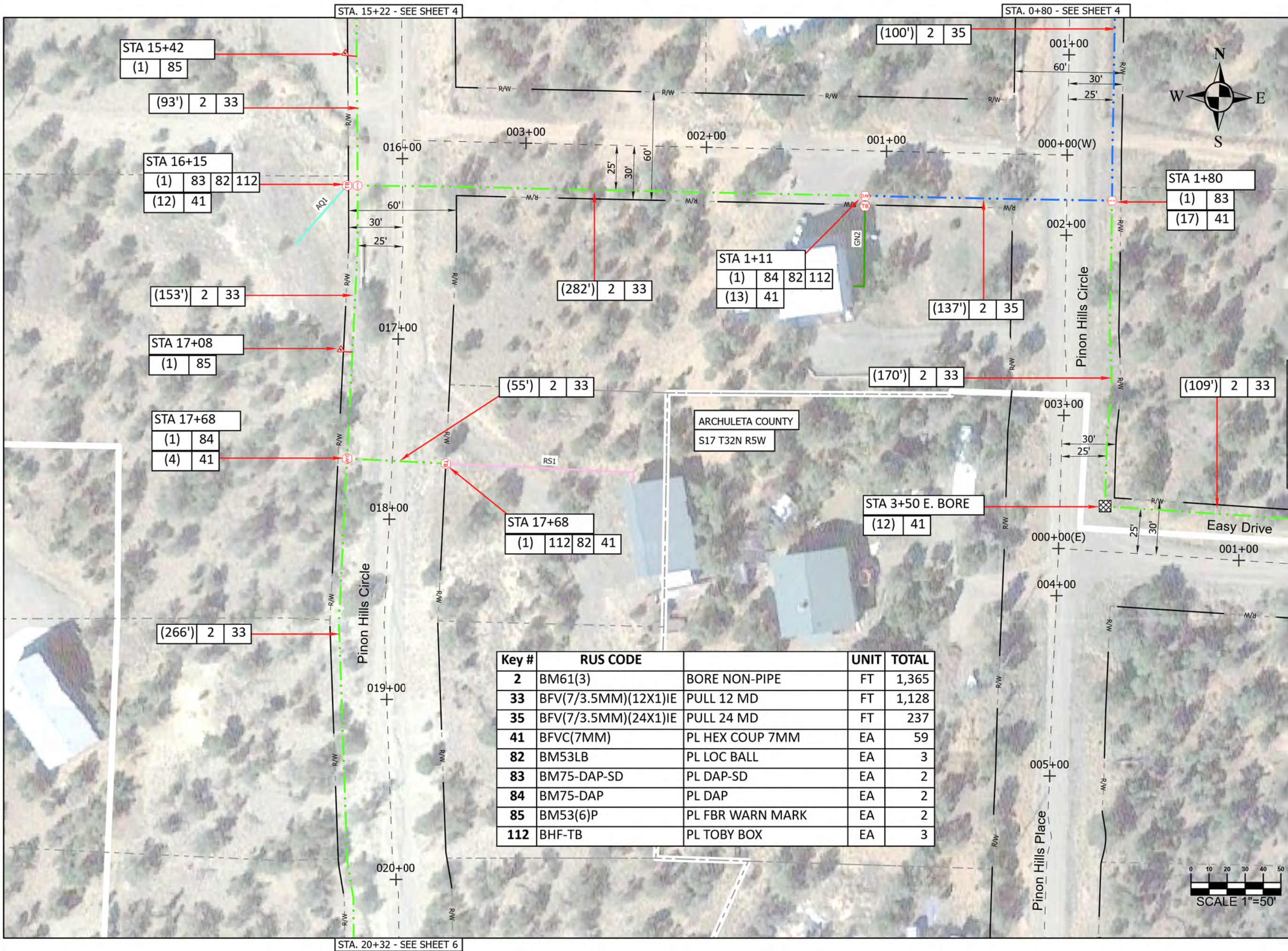
engineering and construction

STA. 20+35 - SEE SHEET 3

STA. 10+12 - SEE SHEET 7

STA. 15+22 - SEE SHEET 5

STA. 0+80 - SEE SHEET 5



LEGEND

- EXISTING PEDESTAL
- EXISTING HANDHOLE
- NEW HAND HOLE
- DUCT ACCESS POINT
- DUCT ACCESS POINT STEP DOWN
- TOBY BOX
- BORE PIT
- NEW FIBER MARKER
- FIBER DISTRIBUTION HUB
- MILE POST
- EXISTING CULVERT

LINE TYPES

- 1 WAY FIBER DUCT (16/12mm)
- 12 WAY FIBER DUCT
- 24 WAY FIBER DUCT
- AERIAL
- EXISTING BB FIBER
- ROW LINE
- WATER LINE
- POWER LINE
- COMMUNICATION LINE
- GAS

BOUNDARY

- FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

STA. 1+34 - SEE SHEET 3

COLORADO 811
KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.

GREAT SEAL OF THE SOUTHERN UTE INDIAN TRIBE
IGNACIO COLO.

DATE CREATED: 2022-06-29
DATE REVISED:
DRAWN BY: BONFIRE
COMPANY:
BONFIRE

SITE ADDRESS:
PHASE 02- FDH 6

FILE NAME:
PHASE 02-FDH 6.APRX

DESCRIPTION:
ARBOLES FINAL DESIGN

MAP:
5 OF 9

bonfire engineering and construction

Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	1,365
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	1,128
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	FT	237
41	BFVC(7MM)	PL HEX COUP 7MM	EA	59
82	BM53LB	PL LOC BALL	EA	3
83	BM75-DAP-SD	PL DAP-SD	EA	2
84	BM75-DAP	PL DAP	EA	2
85	BM53(6)P	PL FBR WARN MARK	EA	2
112	BHF-TB	PL TOBY BOX	EA	3

Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	557
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	557
41	BFVC(7MM)	PL HEX COUP 7MM	EA	6
82	BM53LB	PL LOC BALL	EA	3
84	BM75-DAP	PL DAP	EA	3
112	BHF-TB	PL TOBY BOX	EA	3

LEGEND

- EXISTING PEDESTAL
- EXISTING HANDHOLE
- NEW HAND HOLE
- DUCT ACCESS POINT
- DUCT ACCESS POINT STEP DOWN
- TOBY BOX
- BORE PIT
- NEW FIBER MARKER
- FIBER DISTRIBUTION HUB
- MP
- EXISTING CULVERT

LINE TYPES

- 1 WAY FIBER DUCT (16/12mm)
- 12 WAY FIBER DUCT
- 24 WAY FIBER DUCT
- AERIAL
- EXISTING BB FIBER
- ROW LINE
- WATER LINE
- POWER LINE
- COMMUNICATION LINE
- GAS

BOUNDARY

- FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

COLORADO 811

BEFORE YOU DIG, CALL 811

GREAT SEAL OF THE SOUTHERN UTE INDIAN TRIBE

IGNACIO COLO.

DATE CREATED: 2022-06-29

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:

BONFIRE

SITE ADDRESS:

PHASE 02- FDH 6

FILE NAME:

PHASE 02 - FDH 6.APRX

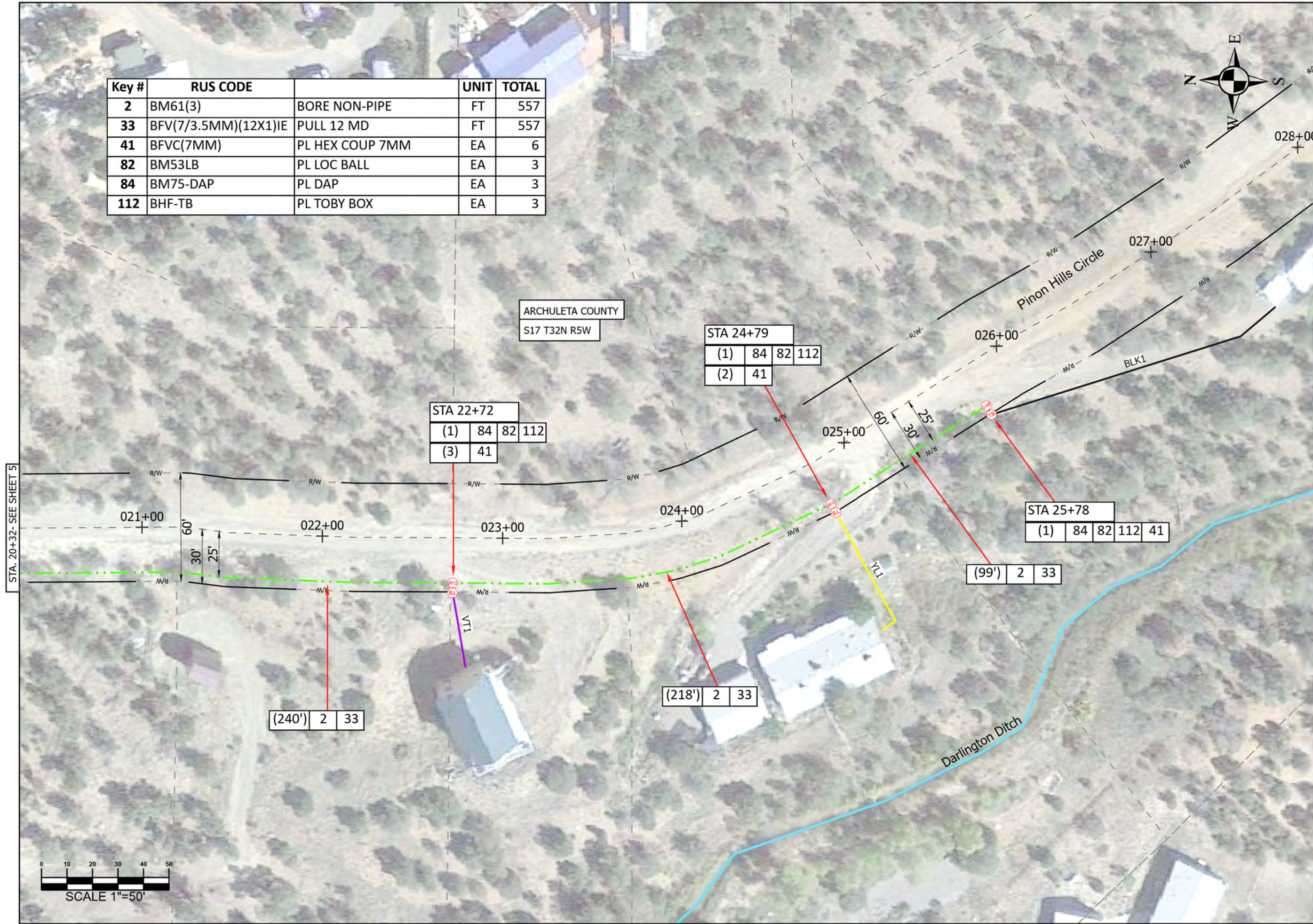
DESCRIPTION:

ARBOLES FINAL DESIGN

MAP:

6 OF 9

bonfire engineering and construction



STA. 20+32- SEE SHEET 5

Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	619
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	619
41	BFVC(7MM)	PL HEX COUP 7MM	EA	10
82	BM53LB	PL LOC BALL	EA	4
84	BM75-DAP	PL DAP	EA	4
112	BHF-TB	PL TOBY BOX	EA	4



LEGEND	
	EXISTING PEDESTAL
	EXISTING HANDHOLE
	NEW HAND HOLE
	DUCT ACCESS POINT
	DUCT ACCESS POINT STEP DOWN
	TOBY BOX
	BORE PIT
	NEW FIBER MARKER
	FIBER DISTRIBUTION HUB
	MILE POST
	EXISTING CULVERT

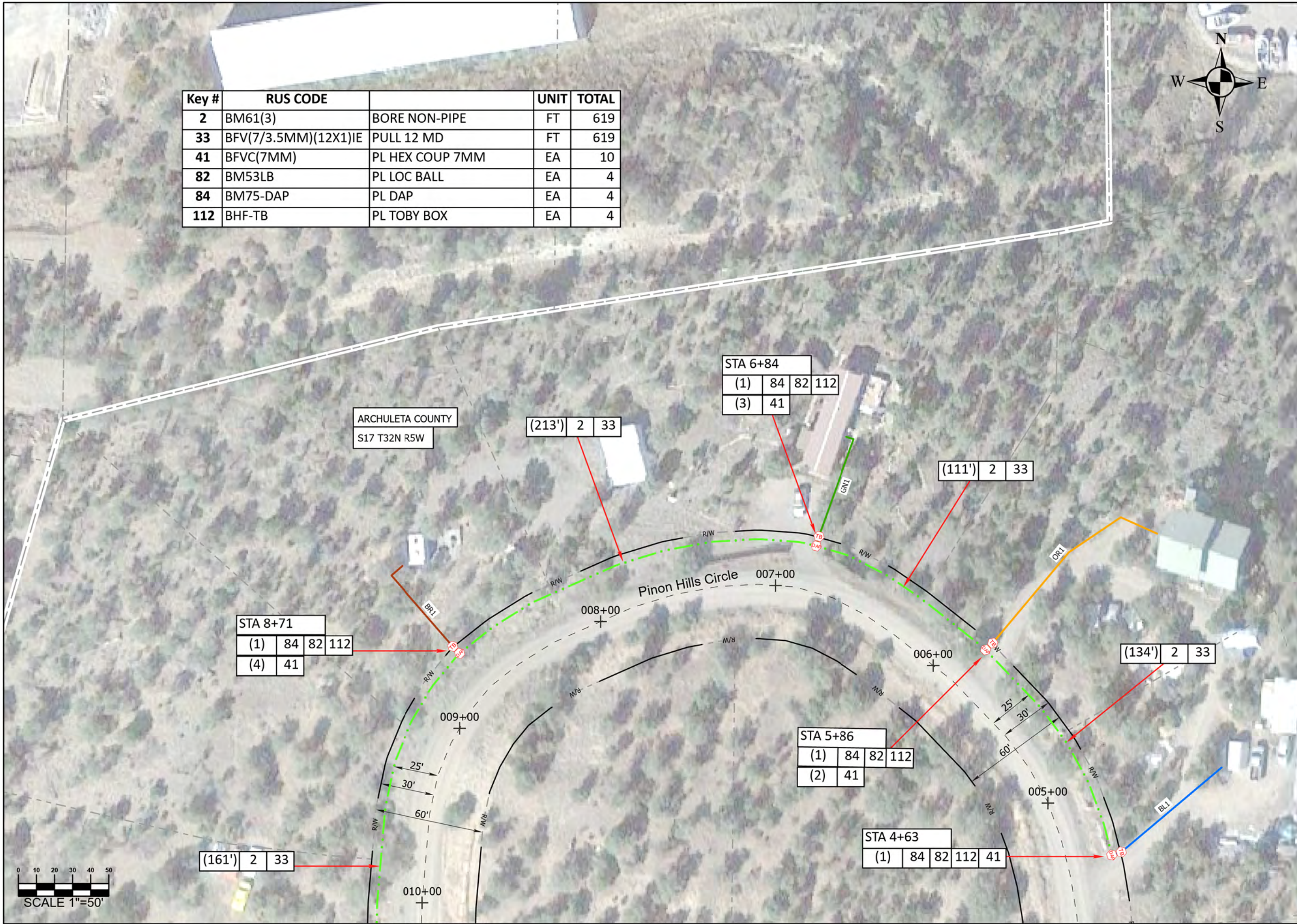
LINE TYPES	
	1 WAY FIBER DUCT (16/12mm)
	12 WAY FIBER DUCT
	24 WAY FIBER DUCT
	AERIAL
	EXISTING BB FIBER
	ROW LINE
	WATER LINE
	POWER LINE
	COMMUNICATION LINE
	GAS

BOUNDARY	
	FDH BOUNDARY

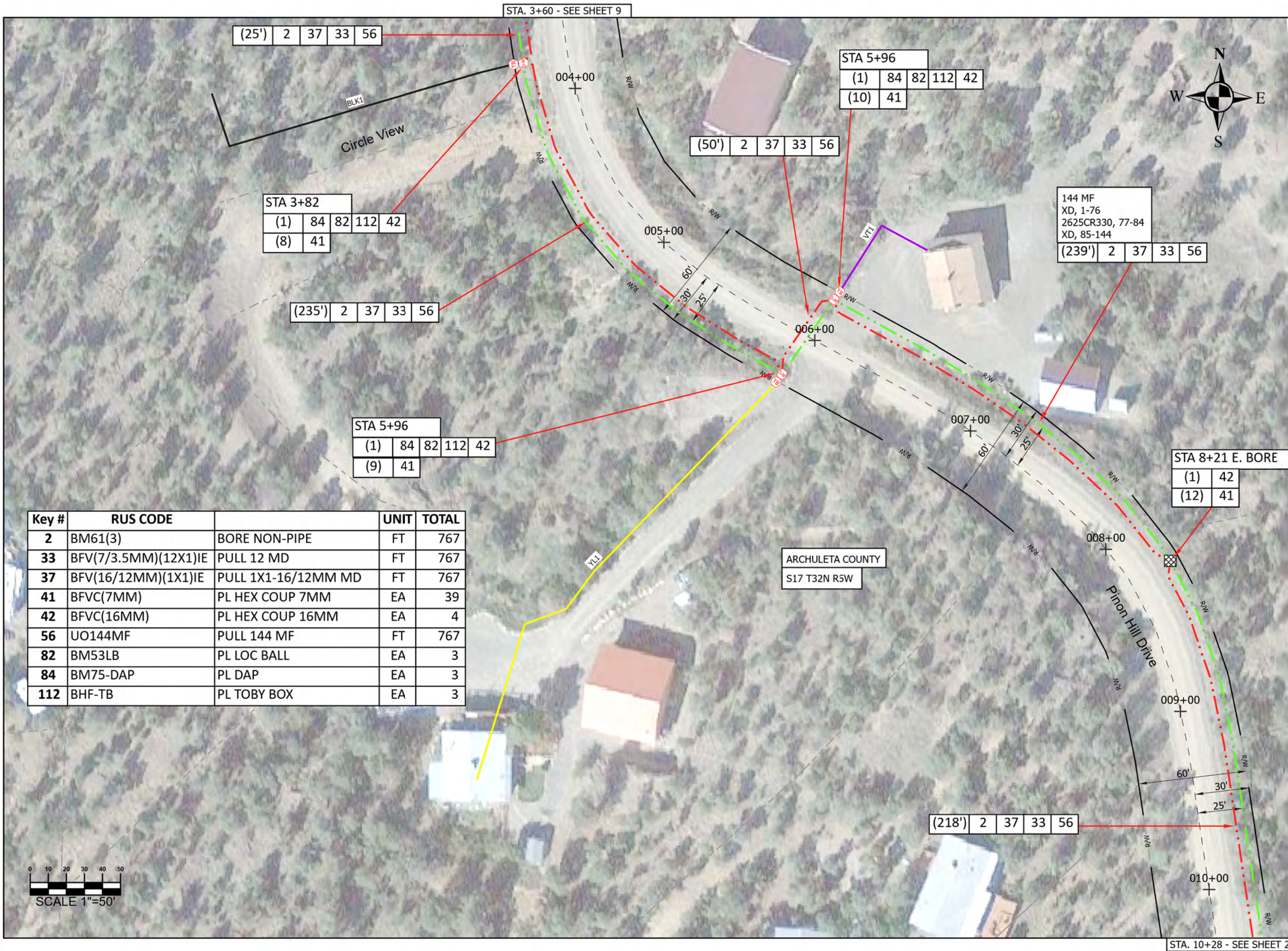
NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.



DATE CREATED: 2022-06-29
DATE REVISED:
DRAWN BY: BONFIRE
COMPANY:
BONFIRE
SITE ADDRESS:
PHASE 02- FDH 6
FILE NAME:
PHASE 02-FDH 6.APRX
DESCRIPTION:
ARBOLES FINAL DESIGN
MAP:
7 OF 9



STA. 10+12 - SEE SHEET 4



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	767
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	FT	767
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	767
41	BFVC(7MM)	PL HEX COUP 7MM	EA	39
42	BFVC(16MM)	PL HEX COUP 16MM	EA	4
56	UO144MF	PULL 144 MF	FT	767
82	BM53LB	PL LOC BALL	EA	3
84	BM75-DAP	PL DAP	EA	3
112	BHF-TB	PL TOBY BOX	EA	3

LEGEND

- EXISTING PEDESTAL
- EXISTING HANDHOLE
- NEW HAND HOLE
- DUCT ACCESS POINT
- DUCT ACCESS POINT STEP DOWN
- TOBY BOX
- BORE PIT
- NEW FIBER MARKER
- FIBER DISTRIBUTION HUB
- MILE POST
- EXISTING CULVERT

LINE TYPES

- 1 WAY FIBER DUCT (16/12mm)
- 12 WAY FIBER DUCT
- 24 WAY FIBER DUCT
- AERIAL
- EXISTING BB FIBER
- ROW LINE
- WATER LINE
- POWER LINE
- COMMUNICATION LINE
- GAS

BOUNDARY

- FDH BOUNDARY

NOTE:
PLACE CAUTION
WARNING RIBBON 1
FOOT ABOVE THE CABLE.

COLORADO 811

GREAT SEAL OF THE SOUTHERN UTE INDIAN TRIBE

IGNACIO COLO.

DATE CREATED: 2022-06-29

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY:

BONFIRE

SITE ADDRESS:

PHASE 02- FDH 6

FILE NAME:

PHASE 02-FDH 6.APRX

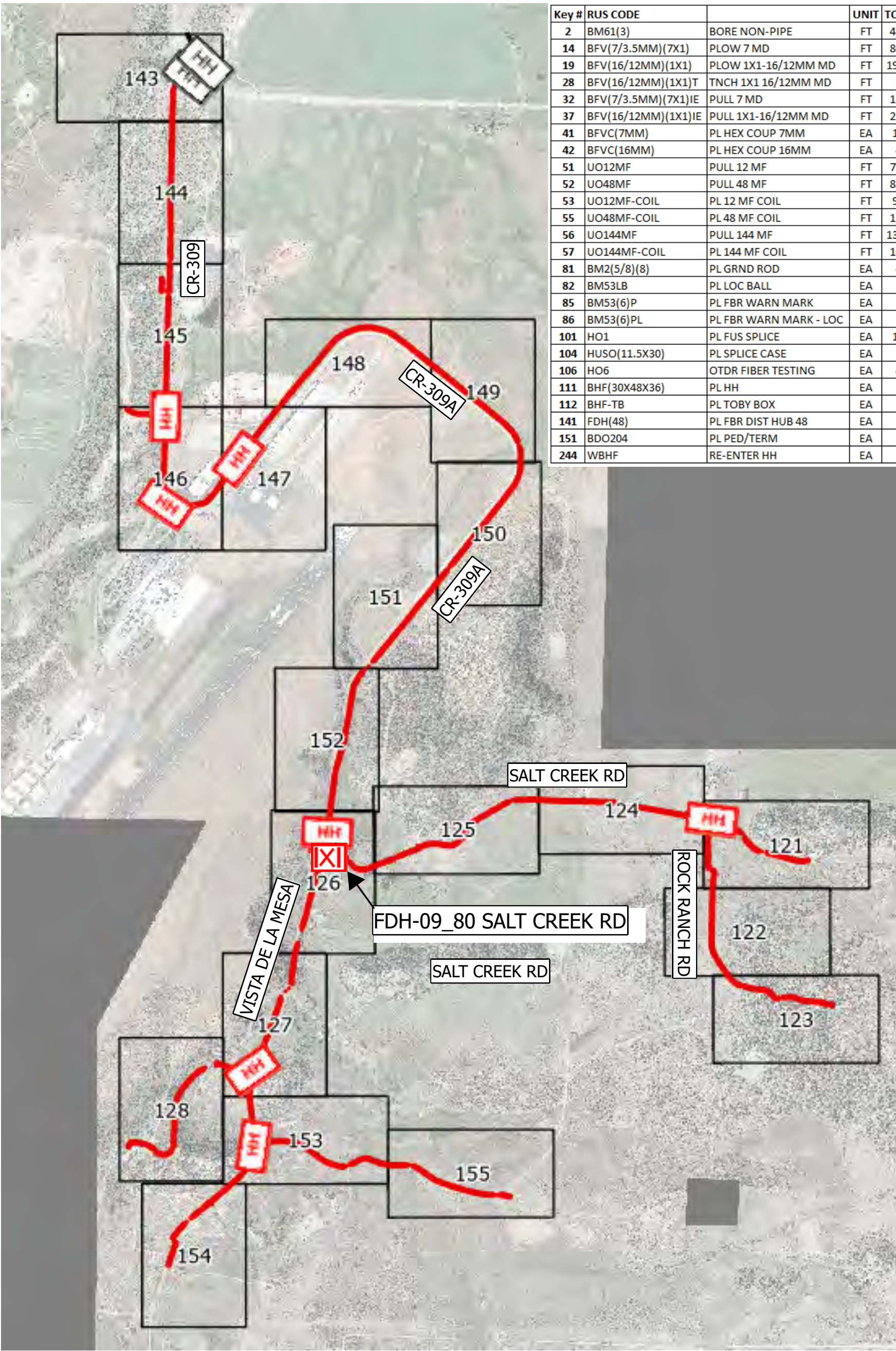
DESCRIPTION:

ARBOLES FINAL DESIGN

MAP:

8 OF 9

bonfire **engineering and construction**



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	4232
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	8044
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	19375
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	FT	20
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	1891
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	2341
41	BFVC(7MM)	PL HEX COUP 7MM	EA	196
42	BFVC(16MM)	PL HEX COUP 16MM	EA	48
51	UO12MF	PULL 12 MF	FT	7272
52	UO48MF	PULL 48 MF	FT	8513
53	UO12MF-COIL	PL 12 MF COIL	FT	960
55	UO48MF-COIL	PL 48 MF COIL	FT	1100
56	UO144MF	PULL 144 MF	FT	13223
57	UO144MF-COIL	PL 144 MF COIL	FT	1040
81	BM2(5/8)(8)	PL GRND ROD	EA	40
82	BM53LB	PL LOC BALL	EA	15
85	BM53(6)P	PL FBR WARN MARK	EA	10
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	7
101	HO1	PL FUS SPLICE	EA	199
104	HUSO(11.5X30)	PL SPLICE CASE	EA	7
106	HO6	OTDR FIBER TESTING	EA	48
111	BHF(30X48X36)	PL HH	EA	7
112	BHF-TB	PL TOBY BOX	EA	15
141	FDH(48)	PL FBR DIST HUB 48	EA	1
151	BDO204	PL PED/TERM	EA	32
244	WBHF	RE-ENTER HH	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.



NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DATE CREATED: 01/08/2022

Sheet 1 of 155

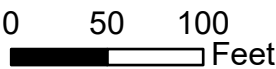
DATE REVISED:

DESCRIPTION:
Southern Ute Tribe PH2 SW Route

PHONE NUMBER: 720-507-9005

DRAWN BY: BONFIRE

COMPANY: BONFIRE



Legend

- E

Power_Ped
- X

Ped_New
- ▨

BorePit
- Terminal
- RT

NewRTCabinet
- HH

NewHH
- FiberMarker
- BoredFiber
- ◊

TobyBox
- ⌵

Culvert
- NW_Sheets
- ROW
- EOP
- +

Stationing
- Centerline
- ←

CalloutLeader
- ▶

MarkerPost
- ⊗

Ped_Existing
- MP
- ManHole_Existing
- RT

NewRTCabinet
- ⊗

NewFSAI
- ⊗

ExFSAI
- HH

HH
- ExistFiber/Duct
- ★

CO
- Plow/Trench
- DetailLeader
- DetailPoly

SOUTHERN UTE RUS CODE MASTER LIST					
Key #	RUS CODE	SHORT DESC FOR PRINTS	DESCRIPTION	UNIT	TOTAL
			FTTP		
2	BM61(3)	BORE NON-PIPE	DIRECTIONAL NON-PIPE BORE	FT	
11	BPV(7/3.5MM)(1X1)	PLOW 1 MD	PLOW 1 MICRODUCT (7/3.5MM)	FT	
12	BPV(7/3.5MM)(2X1)	PLOW 2 MD	PLOW 2 MICRODUCT BUNDLE (7/3.5MM)	FT	
13	BPV(7/3.5MM)(4X1)	PLOW 4 MD	PLOW 4 MICRODUCT BUNDLE (7/3.5MM)	FT	
14	BPV(7/3.5MM)(7X1)	PLOW 7 MD	PLOW 7 MICRODUCT BUNDLE (7/3.5MM)	FT	
15	BPV(7/3.5MM)(12X1)	PLOW 12 MD	PLOW 12 MICRODUCT BUNDLE (7/3.5MM)	FT	
16	BPV(7/3.5MM)(19X1)	PLOW 19 MD	PLOW 19 MICRODUCT BUNDLE (7/3.5MM)	FT	
17	BPV(7/3.5MM)(24X1)	PLOW 24 MD	PLOW 24 MICRODUCT BUNDLE (7/3.5MM)	FT	
18	BPV(16/12MM)(1X1) &	PLOW 1X1-16/12MM DUAL MD	PLOW 1X1 16/12 MICRODUCT DUAL PLACEMENT	FT	
19	BPV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	PLOW 1X1 16/12 MICRODUCT BUNDLE	FT	
20	BPV(7/3.5MM)(1X1)T	TNCH 1 MD	TRENCH 1 MICRODUCT (7/3.5MM)	FT	
21	BPV(7/3.5MM)(2X1)T	TNCH 2 MD	TRENCH 2 MICRODUCT BUNDLE (7/3.5MM)	FT	
22	BPV(7/3.5MM)(4X1)T	TNCH 4 MD	TRENCH 4 MICRODUCT BUNDLE (7/3.5MM)	FT	
23	BPV(7/3.5MM)(7X1)T	TNCH 7 MD	TRENCH 7 MICRODUCT BUNDLE (7/3.5MM)	FT	
24	BPV(7/3.5MM)(12X1)T	TNCH 12 MD	TRENCH 12 MICRODUCT BUNDLE (7/3.5MM)	FT	
25	BPV(7/3.5MM)(19X1)T	TNCH 19 MD	TRENCH 19 MICRODUCT BUNDLE (7/3.5MM)	FT	
26	BPV(7/3.5MM)(24X1)T	TNCH 24 MD	TRENCH 24 MICRODUCT BUNDLE (7/3.5MM)	FT	
27	BPV(16/12MM)(1X1)T &	TNCH 1X1 16/12MM DUAL MD	TRENCH 1X1-16/12 MICRODUCT DUAL PLACEMENT	FT	
28	BPV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	TRENCH 1X1 16/12 MICRODUCT BUNDLE	FT	
29	BPV(7/3.5MM)(1X1)IE	PULL 1 MD	PULL MICRODUCT IN NON-PIPE BORE	FT	
30	BPV(7/3.5MM)(2X1)IE	PULL 2 MD	PULL MICRODUCT IN NON-PIPE BORE, 2 MICRODUCT BUNDLE	FT	
31	BPV(7/3.5MM)(4X1)IE	PULL 4 MD	PULL MICRODUCT IN NON-PIPE BORE 4 MICRODUCT BUNDLE	FT	
32	BPV(7/3.5MM)(7X1)IE	PULL 7 MD	PULL MICRODUCT IN NON-PIPE BORE 7 MICRODUCT BUNDLE	FT	
33	BPV(7/3.5MM)(12X1)IE	PULL 12 MD	PULL MICRODUCT IN NON-PIPE BORE 12 MICRODUCT BUNDLE	FT	
34	BPV(7/3.5MM)(19X1)IE	PULL 19 MD	PULL MICRODUCT IN NON-PIPE BORE, 19 MICRODUCT BUNDLE	FT	
35	BPV(7/3.5MM)(24X1)IE	PULL 24 MD	PULL MICRODUCT IN NON-PIPE BORE 24 MICRODUCT BUNDLE	FT	
36	BPV(16/12MM)(1X1)IE &	PULL 1X1-16/12MM MD &	PULL 1X1-16/12MM MICRODUCT IN NON PIPE BORE DUAL PLACEMENT	FT	
37	BPV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	PULL 1X1-16/12MM MICRODUCT IN NON PIPE BORE	FT	
38	BPV(16/12MM)(7X1)T	TNCH 7X1-16/12MM MD	TRENCH 7X1-16/12MM MICRODUCT BUNDLE	FT	
39	BPV(16/12MM)(7X1)	PLOW 7X1 - 16/12MM MD	PLOW 7X1-16/12MM MICRODUCT BUNDLE	FT	
40	BPV(16/12MM)(7X1)IE	PULL 7X1 - 16/12MM MD	PULL 7X1-16/12MM MICRODUCT BUNDLE	FT	
41	BPVC(7MM)	PL HEX COUP 7MM	PLACE HEXATRONIC DUCT COUPLER-7MM MICRODUCT	EA	
42	BPVC(16MM)	PL HEX COUP 16MM	PLACE HEXATRONIC DUCT COUPLER-16MM MICRODUCT	EA	
51	UO12MF	PULL 12 MF	PULL 12 MICROFIBER IN DUCT	FT	
52	UO48MF	PULL 48 MF	PULL 48 MICROFIBER IN DUCT	FT	
53	UO12MF-COIL	PL 12 MF COIL	PLACE 12 MICROFIBER COIL	FT	
53	UO24MF	PULL 24 MF	PULL 24 MICROFIBER IN DUCT	FT	
54	UO24MF-COIL	PL 24 MF COIL	PLACE 24 MICROFIBER COIL	FT	
55	UO48MF-COIL	PL 48 MF COIL	PLACE 48 MICROFIBER COIL	FT	
56	UO144MF	PULL 144 MF	PULL 144 MICROFIBER IN DUCT	FT	
57	UO144MF-COIL	PL 144 MF COIL	PLACE 144 MICROFIBER COIL	FT	
81	BM2(5/8)(8)	PL GRND ROD	GROUND ROD	EA	
82	BM53LB	PL LOC BALL	PL ELECTRONIC LOCATE BALL	EA	
83	BM75-DAP-SD	PL DAP-SD	PLACE DUCT ACCESS POINT BRANCH-EXCAVATION ONLY FOR COUPLERS	EA	
84	BM75-DAP	PL DAP	PLACE DUCT ACCESS POINT-EXCAVATION ONLY FOR COUPLERS	EA	
85	BM53(6)P	PL FBR WARN MARK	BURIED FIBER WARNING MARKER	EA	
86	BM53(6)PL	PL FBR WARN MARK - LOC	BURIED FIBER WARNING MARKER - LOCATEABLE	EA	
87	BM73F	PL FLOW FILL	PLACE FLOW FILL	FT	
98	R1-10	CLEAR 10' ROW	CLEAR ROW 10' WIDE	FT	
99	R1-10G	CLEAR & GRUB 10' ROW	CLEAR & GRUB ROW 10' WIDE	FT	
101	HO1	PL FUS SPLICE	FUSION SPLICE	EA	
102	HO6	OTDR FIBER TEST	OTDR FIBER TEST	EA	
104	HUSO(11.5X30)	PL SPLICE CASE	SPLICE CASE	EA	
106	HO6	OTDR FIBER TESTING	OTDR FIBER TESTING	EA	
111	BHF(30X48X36)	PL HH	HAND HOLE 30"x48"x30"	EA	
112	BHF-TB	PL TOBY BOX	PLACE HEXATRONIC TOBY BOX SUBSCRIBER ACCESS CHAMBER	EA	
113	BDO5	PL PED	PLACE 10" PED	EA	
141	FDH(48)	PL FBR DIST HUB 48	FIBER DISTRIBUTION HUB 48 PORT	EA	
151	BDO204	PL PED/TERM	PLACE COMBO PED/TERM	EA	
241	WUD	EXPOSE DUCT	LOCATE AND EXPOSE EXISTING DUCT BUNDLE	EA	
242	WBDSO	RE-ENTER FSAI	RE-ENTER FSAI	EA	
243	WBDO	RE-ENTER PED	RE-ENTER PEDESTAL	EA	
244	WBHF	RE-ENTER HH	RE-ENTER HANDHOLE	EA	

Key #	Description
1-10	BORE CODES
11-50	CONDUIT AND COUPLER CODES
51-80	FIBER CABLE CODES
81-100	MISCELLANEOUS CODES BM, ETC
101-110	SPLICE CODES
111-130	HANDHOLES AND STRUCTURES
141-150	FSAI AND CABINETS
151-230	TERMINALS
231-240	ADDERS, ROCK ETC
241-250	REARRANGE EXISTING(W)

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005

DRAWN BY: BONFIRE

COMPANY: BONFIRE

DESCRIPTION:
Southern Ute Tribe PH2 SW Route

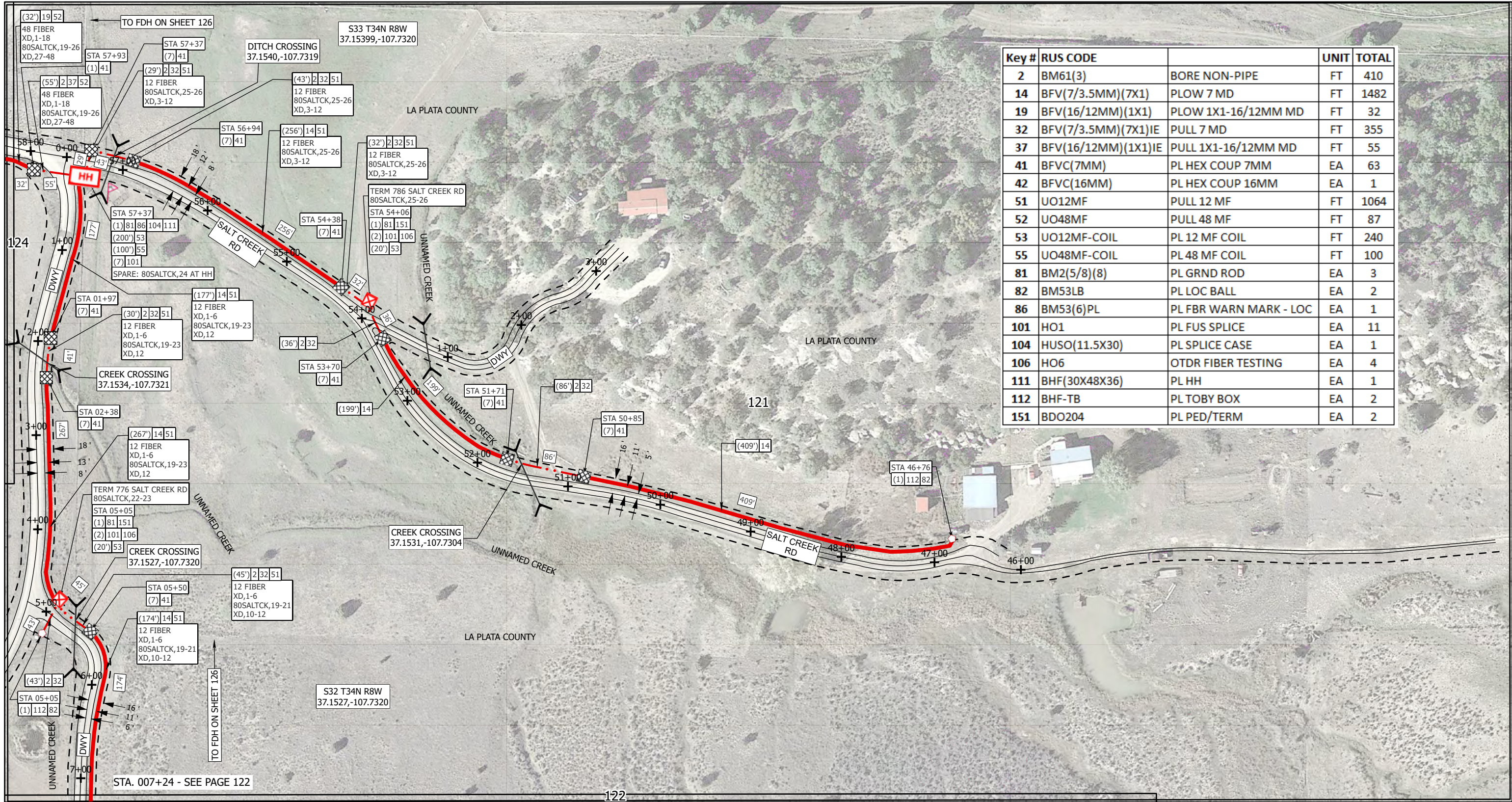
DATE CREATED: 01/08/2022

DATE REVISED:

Sheet 2 of 155

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STA. 058+25 - SEE PAGE 124



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	410
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	1482
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	32
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	355
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	55
41	BFVC(7MM)	PL HEX COUP 7MM	EA	63
42	BFVC(16MM)	PL HEX COUP 16MM	EA	1
51	UO12MF	PULL 12 MF	FT	1064
52	UO48MF	PULL 48 MF	FT	87
53	UO12MF-COIL	PL 12 MF COIL	FT	240
55	UO48MF-COIL	PL 48 MF COIL	FT	100
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53LB	PL LOC BALL	EA	2
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	11
104	HUSO(11.5X30)	PL SPLICE CASE	EA	1
106	HO6	OTDR FIBER TESTING	EA	4
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	2
151	BDO204	PL PED/TERM	EA	2

SEE PAGE 120

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005

DRAWN BY: BONFIRE
COMPANY: BONFIRE

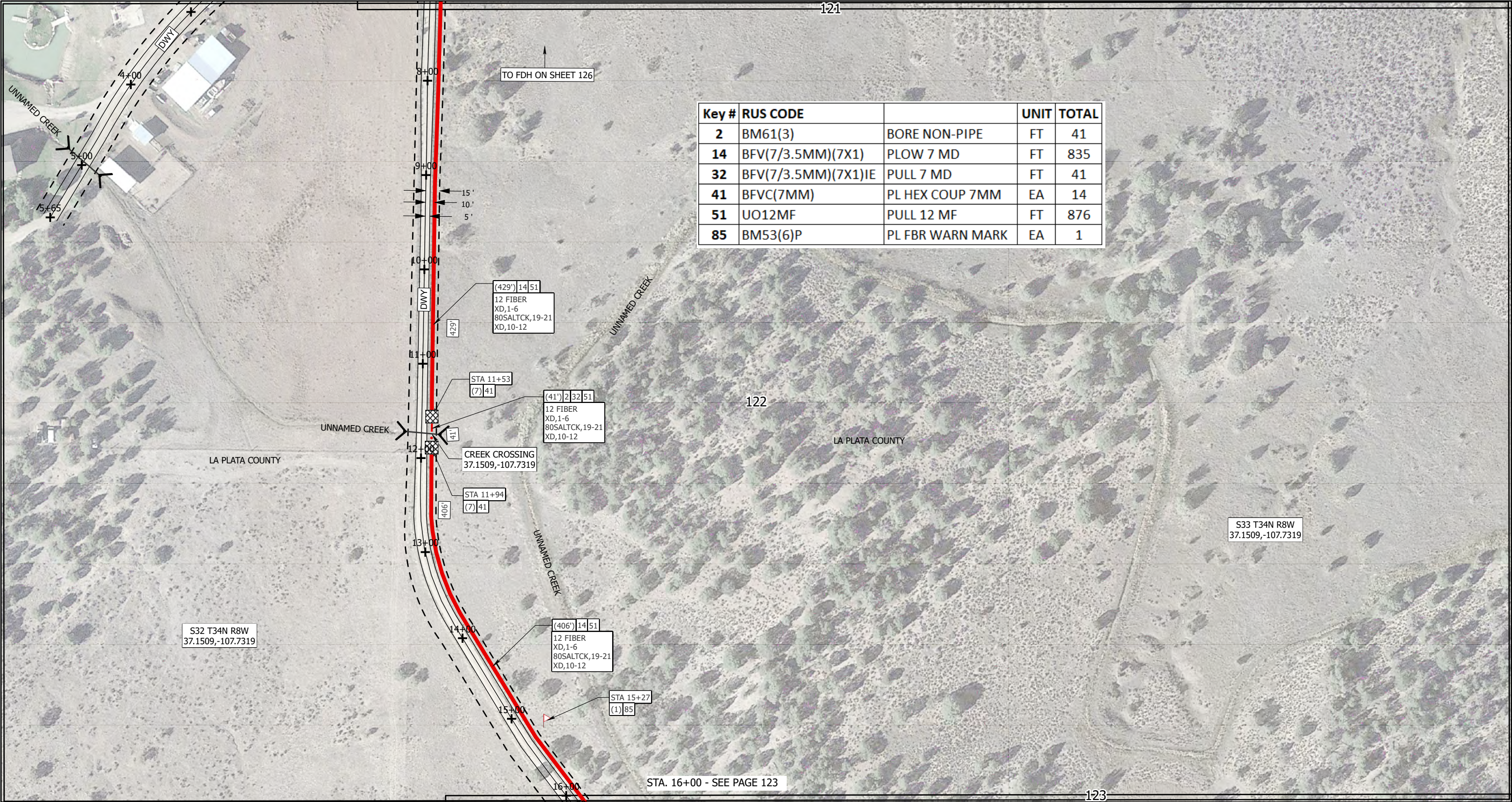
DESCRIPTION:
Southern Ute Tribe PH2 SW Route

DATE CREATED: 01/08/2022
DATE REVISED:

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0 50 100 Feet





Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	41
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	835
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	41
41	BFVC(7MM)	PL HEX COUP 7MM	EA	14
51	UO12MF	PULL 12 MF	FT	876
85	BM53(6)P	PL FBR WARN MARK	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
Southern Ute Tribe PH2 SW Route

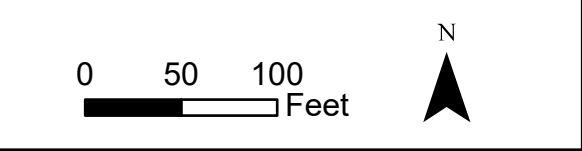
Sheet 122 of 155

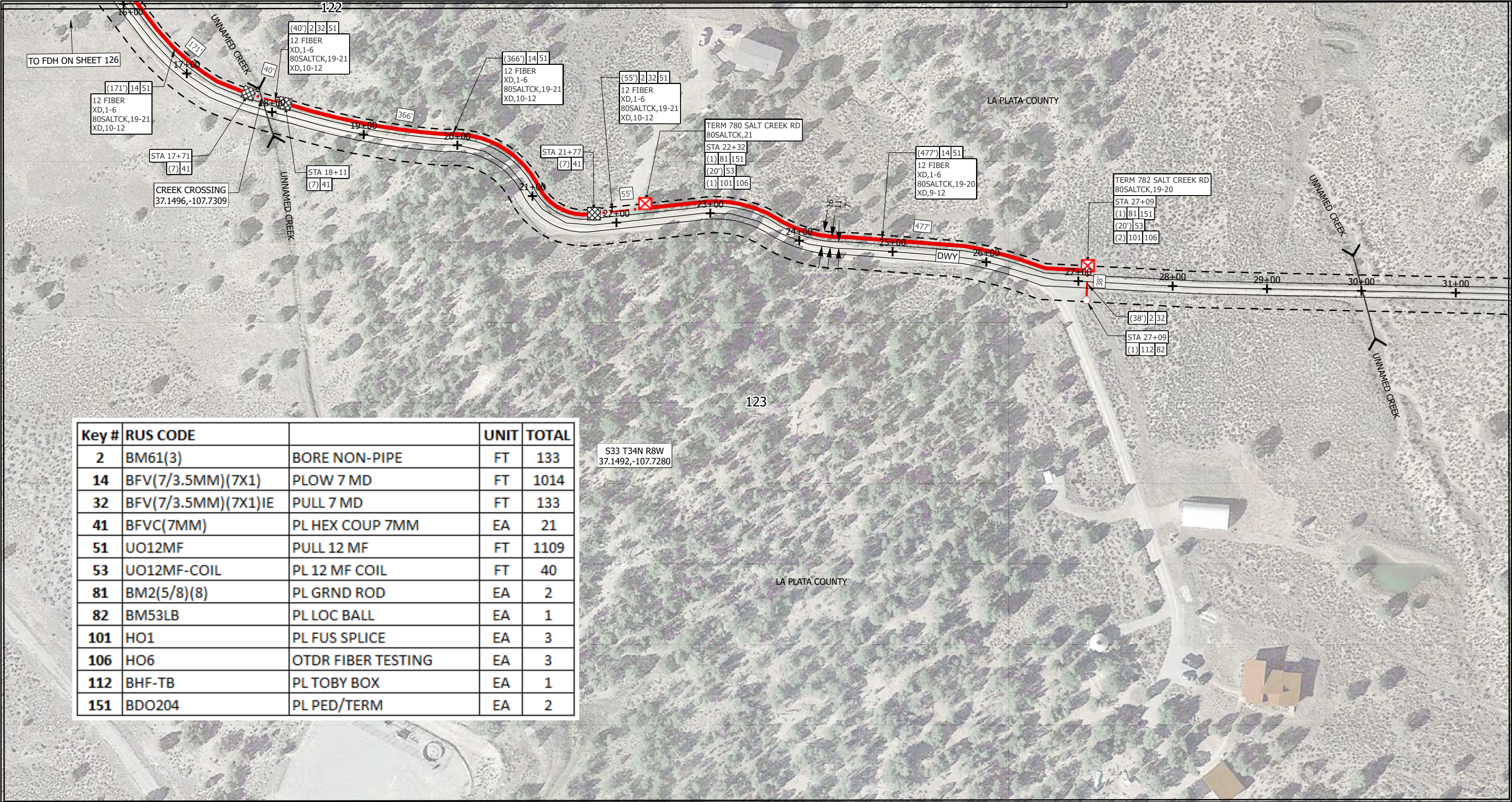


NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

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DATE REVISED:





NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

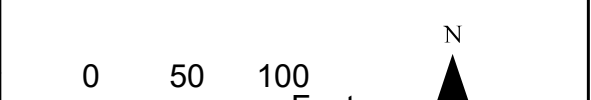
DESCRIPTION:
Southern Ute Tribe PH2 SW Route

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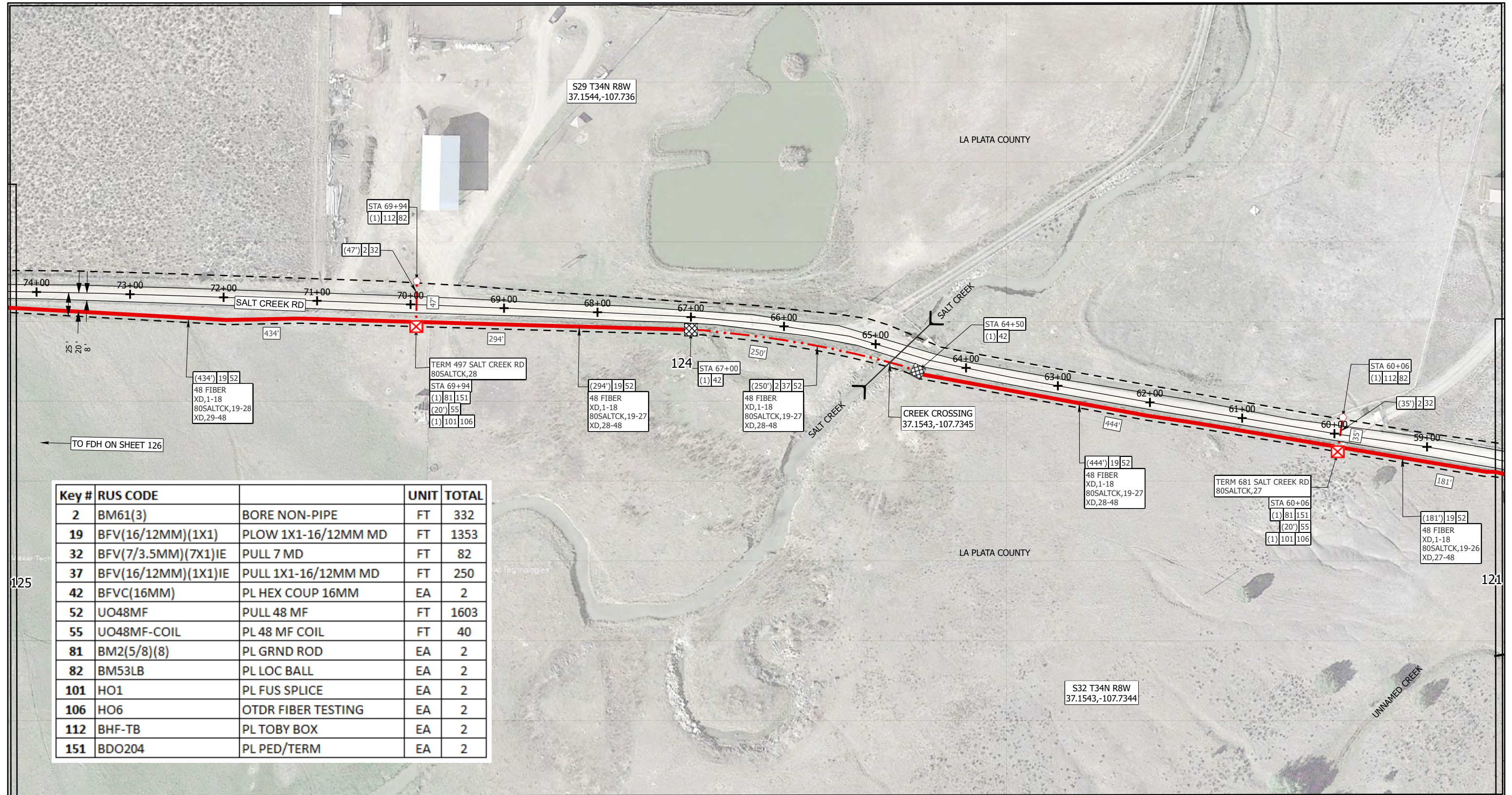
NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

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COMPANY: BONFIRE




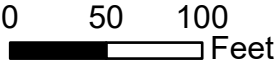

DATE CREATED: 01/08/2022
DATE REVISED:



STA. 074+28 - SEE PAGE 125

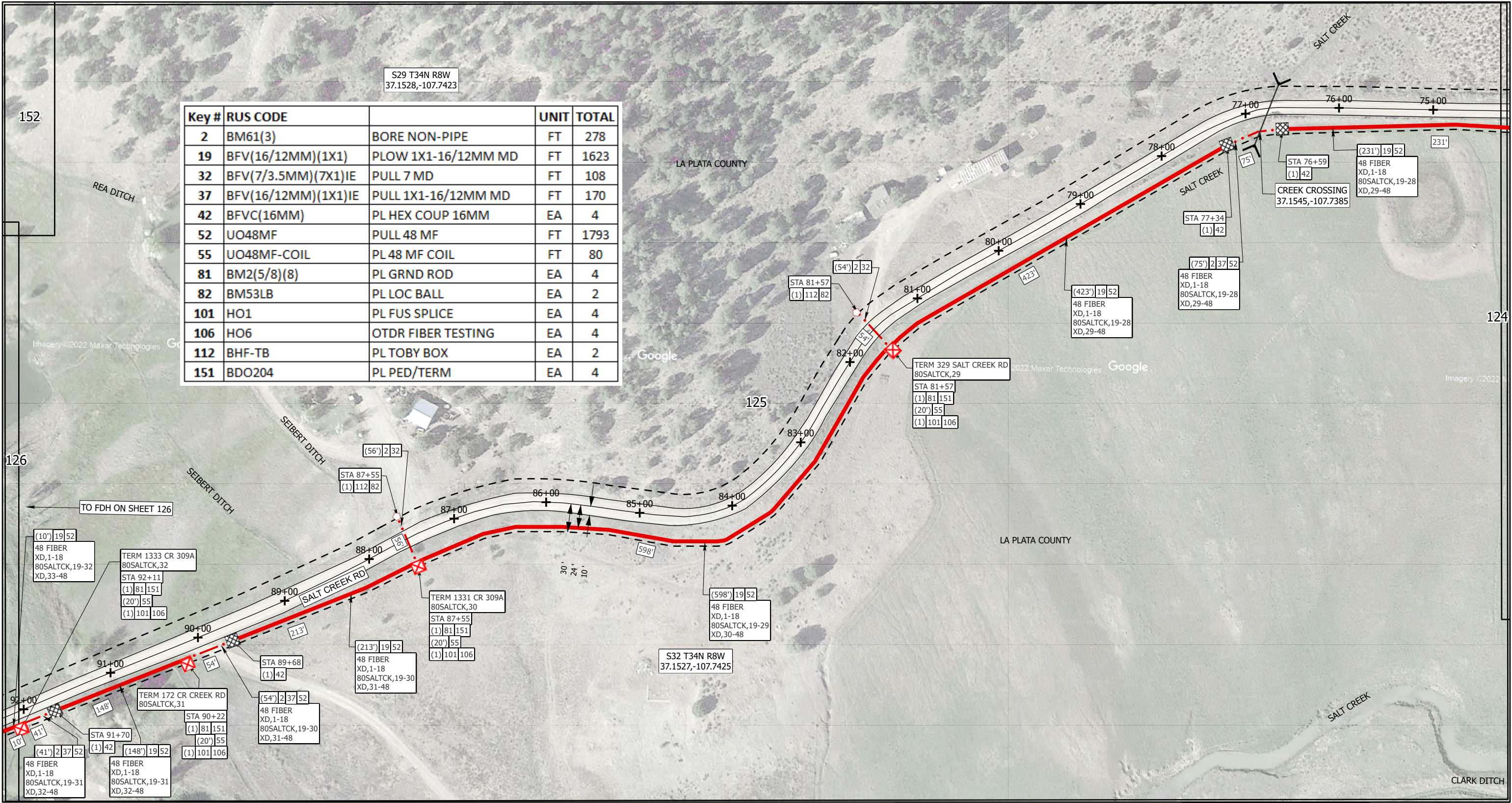


Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	332
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1353
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	82
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	250
42	BFVC(16MM)	PL HEX COUP 16MM	EA	2
52	UO48MF	PULL 48 MF	FT	1603
55	UO48MF-COIL	PL 48 MF COIL	FT	40
81	BM2(5/8)(8)	PL GRND ROD	EA	2
82	BM53LB	PL LOC BALL	EA	2
101	HO1	PL FUS SPLICE	EA	2
106	HO6	OTDR FIBER TESTING	EA	2
112	BHF-TB	PL TOBY BOX	EA	2
151	BDO204	PL PED/TERM	EA	2

NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.	PHONE NUMBER: 720-507-9005	DESCRIPTION: Southern Ute Tribe PH2 SW Route	Sheet 124 of 155	  
NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.	DRAWN BY: BONFIRE COMPANY: BONFIRE	DATE CREATED: 01/08/2022 DATE REVISED:	 	

STA. 058+25 - SEE PAGE 121

STA. 92+21 - SEE PAGE 126



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	278
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1623
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	108
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	170
42	BFVC(16MM)	PL HEX COUP 16MM	EA	4
52	UO48MF	PULL 48 MF	FT	1793
55	UO48MF-COIL	PL 48 MF COIL	FT	80
81	BM2(5/8)(8)	PL GRND ROD	EA	4
82	BM53LB	PL LOC BALL	EA	2
101	HO1	PL FUS SPLICE	EA	4
106	HO6	OTDR FIBER TESTING	EA	4
112	BHF-TB	PL TOBY BOX	EA	2
151	BDO204	PL PED/TERM	EA	4

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005

DRAWN BY: BONFIRE

COMPANY: BONFIRE

DESCRIPTION:
Southern Ute Tribe PH2 SW Route

DATE CREATED: 01/08/2022

DATE REVISED:

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050100

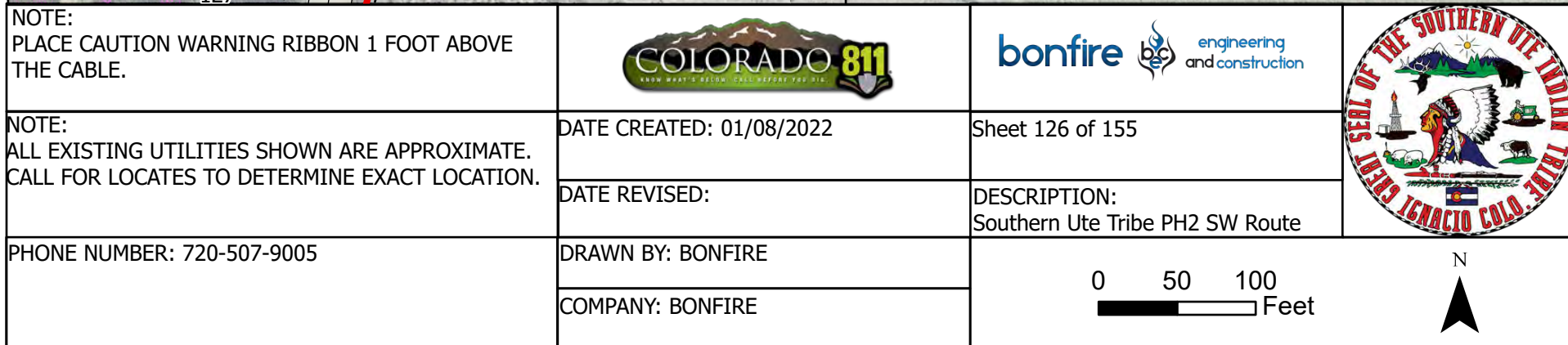
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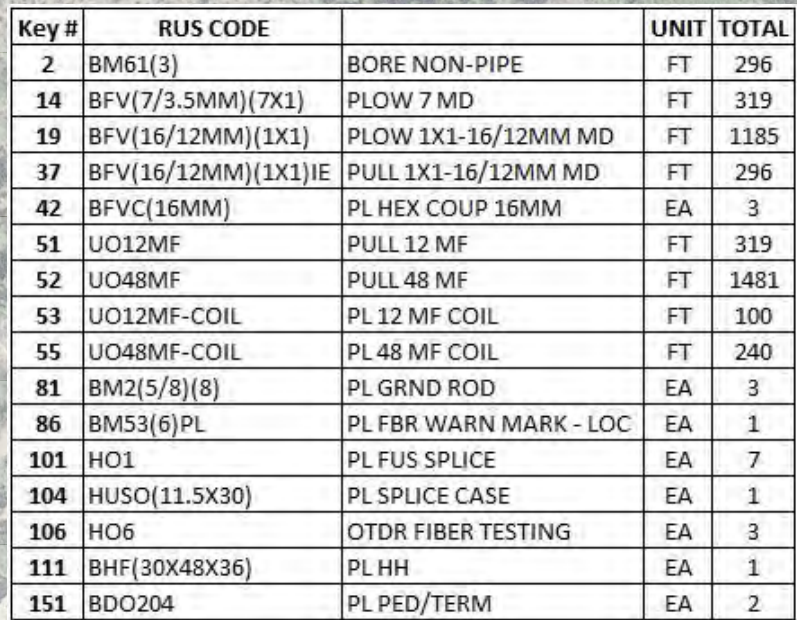
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STA. 074+28 - SEE PAGE 124

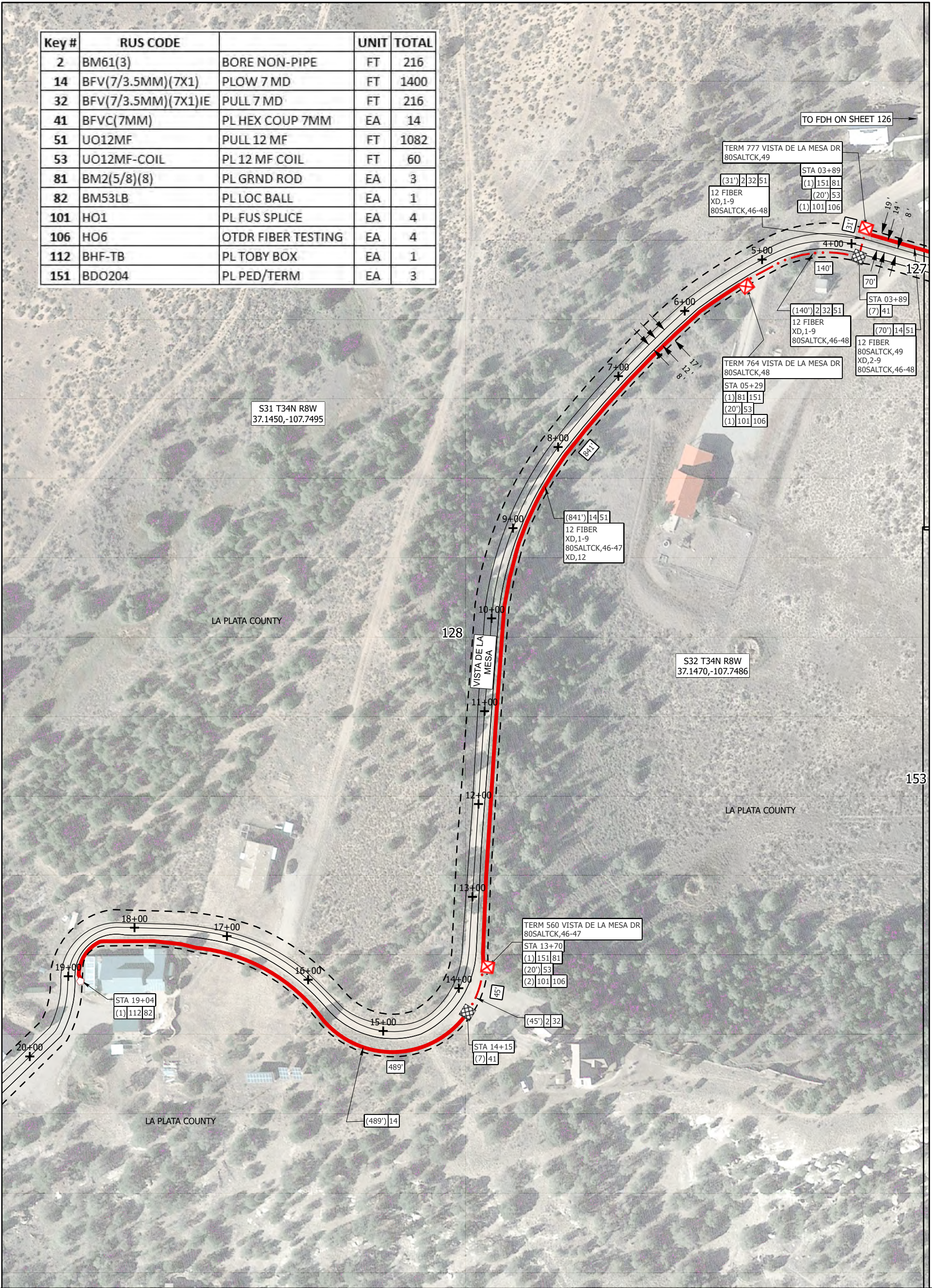




	
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DATE REVISED:	
DRAWN BY: BONFIRE	
COMPANY: BONFIRE	

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<p>Sheet 127 of 155</p>	
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Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	216
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	1400
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	216
41	BFVC(7MM)	PL HEX COUP 7MM	EA	14
51	UO12MF	PULL 12 MF	FT	1082
53	UO12MF-COIL	PL 12 MF COIL	FT	60
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53LB	PL LOC BALL	EA	1
101	HO1	PL FUS SPLICE	EA	4
106	HO6	OTDR FIBER TESTING	EA	4
112	BHF-TB	PL TOBY BOX	EA	1
151	BDO204	PL PED/TERM	EA	3



NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
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CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 01/08/2022

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DESCRIPTION:
Southern Ute Tribe PH2 SW Route

050100

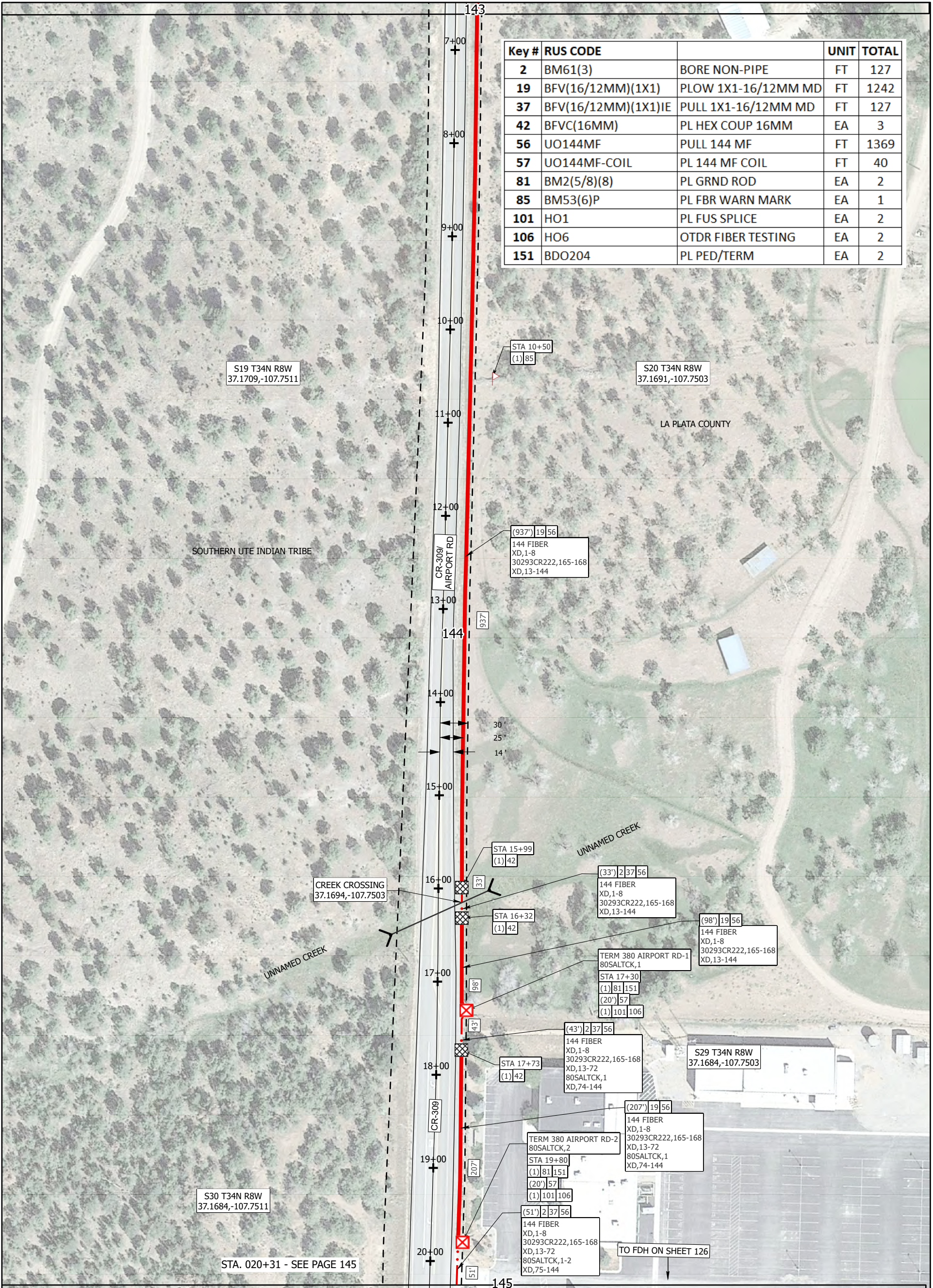
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STA. 03-19 - SEE PAGE 127



NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 01/08/2022

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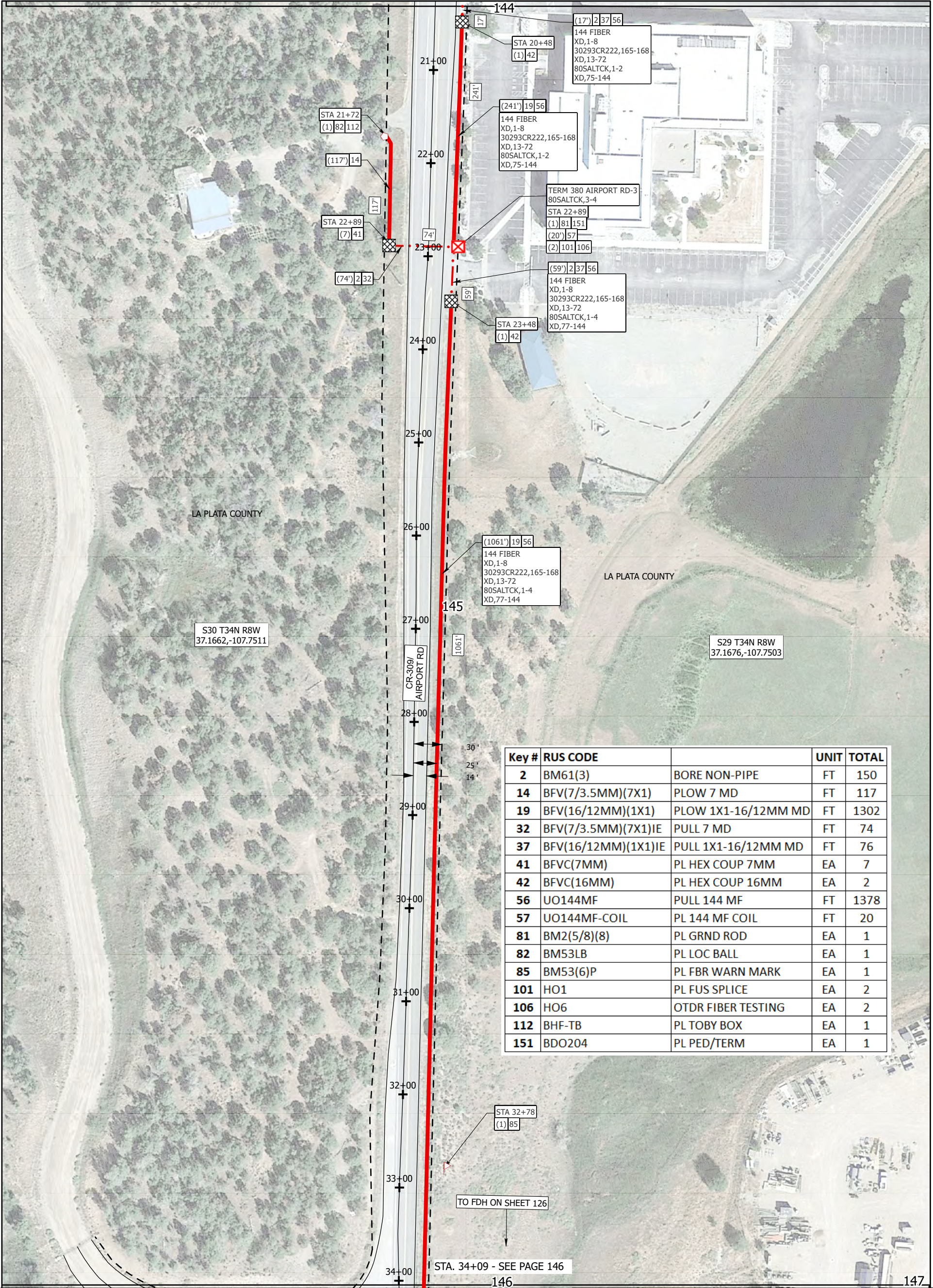
Sheet 144 of 155

DESCRIPTION:
Southern Ute Tribe PH2 SW Route



0 50 100 Feet






NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 01/08/2022

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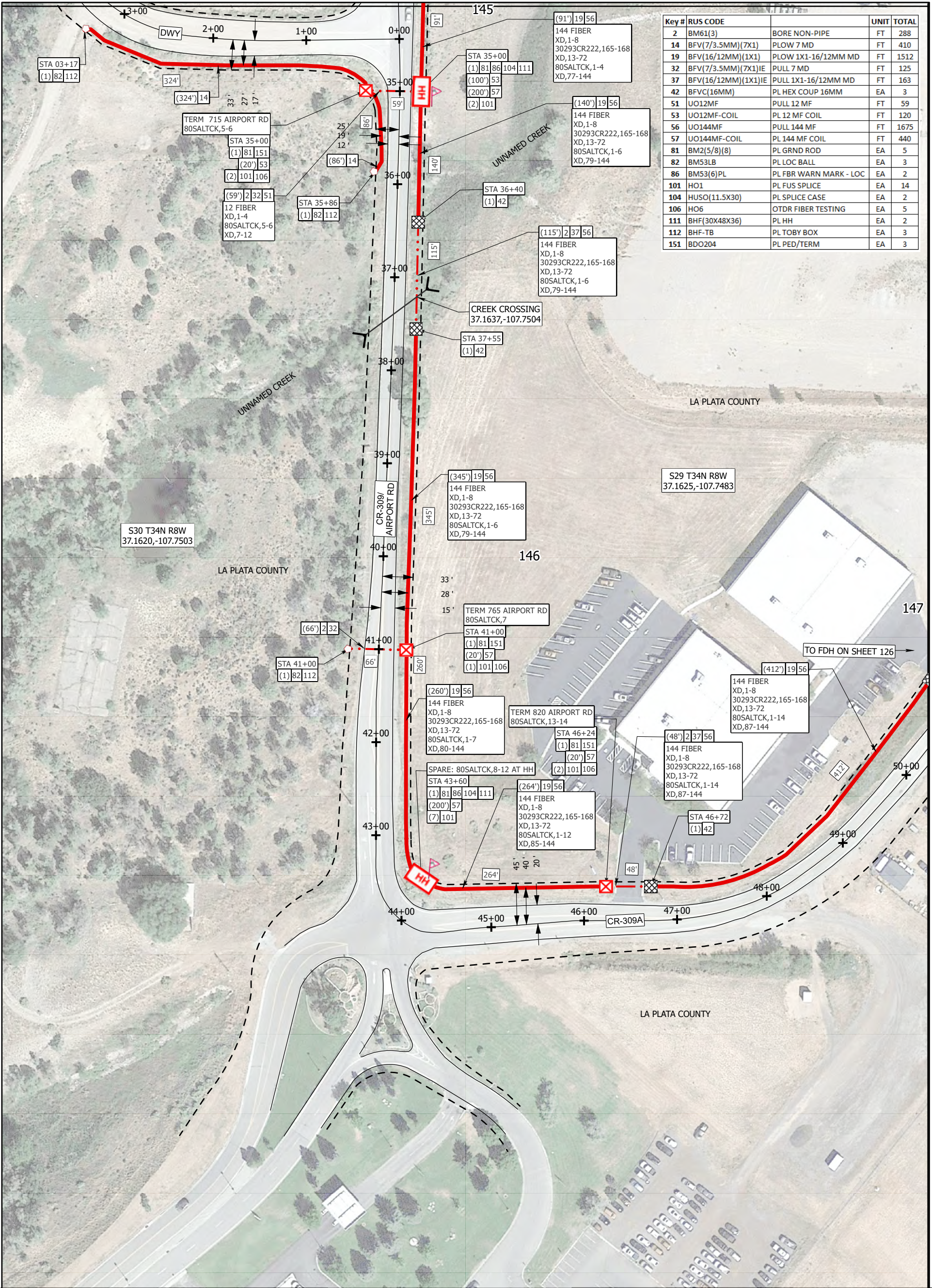
Sheet 145 of 155

DESCRIPTION:
Southern Ute Tribe PH2 SW Route

0 50 100 Feet








Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	288
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	410
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1512
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	125
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	163
42	BFVC(16MM)	PL HEX COUP 16MM	EA	3
51	UO12MF	PULL 12 MF	FT	59
53	UO12MF-COIL	PL 12 MF COIL	FT	120
56	UO144MF	PULL 144 MF	FT	1675
57	UO144MF-COIL	PL 144 MF COIL	FT	440
81	BM2(5/8)(8)	PL GRND ROD	EA	5
82	BM53LB	PL LOC BALL	EA	3
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	2
101	HO1	PL FUS SPlice	EA	14
104	HUSO(11.5X30)	PL SPlice CASE	EA	2
106	HO6	OTDR FIBER TESTING	EA	5
111	BHF(30X48X36)	PL HH	EA	2
112	BHF-TB	PL TOBY BOX	EA	3
151	BDO204	PL PED/TERM	EA	3

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 01/08/2022

DATE REVISED:

DRAWN BY: BONFIRE

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DESCRIPTION:
Southern Ute Tribe PH2 SW Route

050100

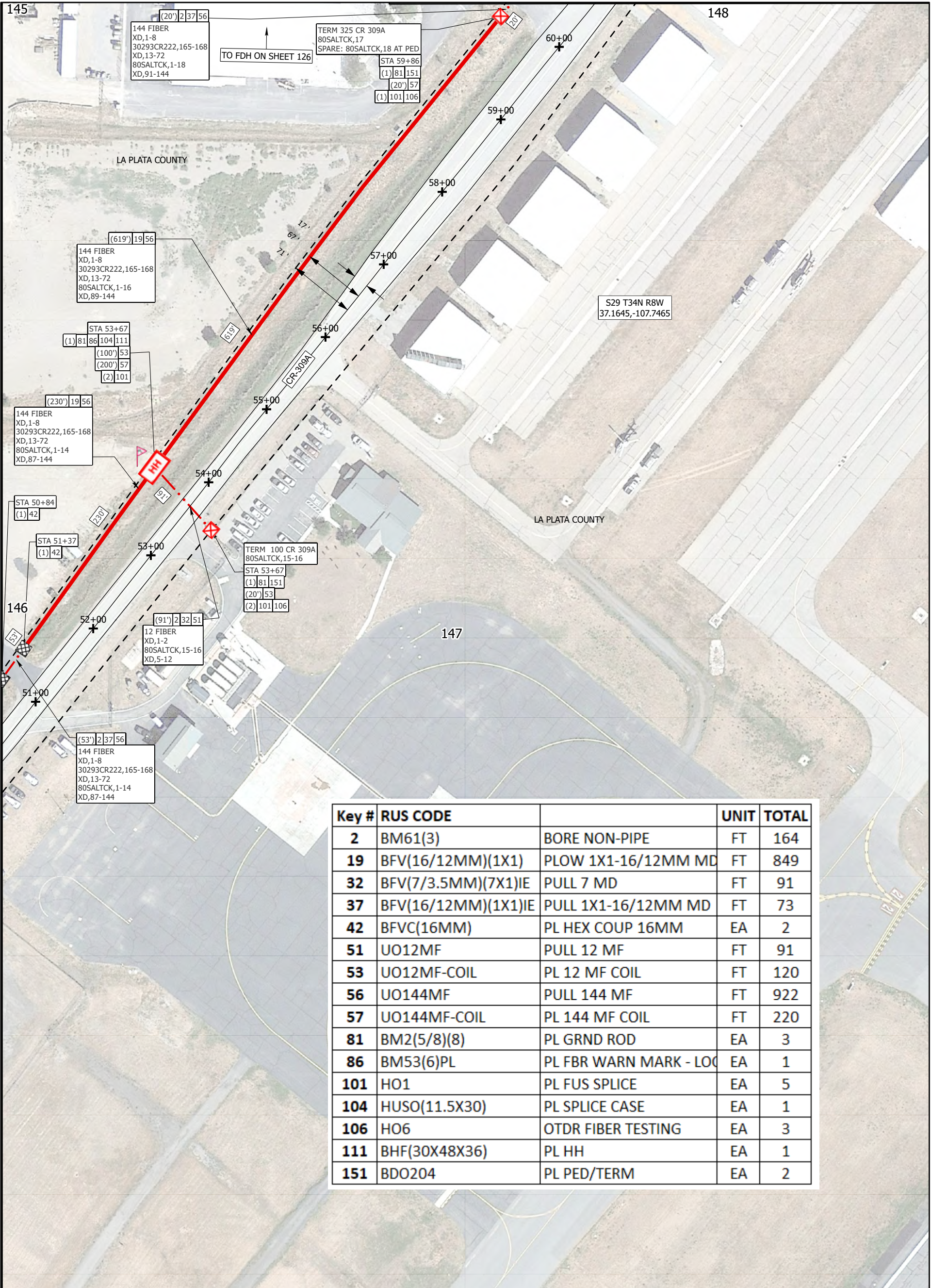
Feet



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STA. 50+84 - SEE PAGE 146




Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	164
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	849
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	91
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	73
42	BFVC(16MM)	PL HEX COUP 16MM	EA	2
51	UO12MF	PULL 12 MF	FT	91
53	UO12MF-COIL	PL 12 MF COIL	FT	120
56	UO144MF	PULL 144 MF	FT	922
57	UO144MF-COIL	PL 144 MF COIL	FT	220
81	BM2(5/8)(8)	PL GRND ROD	EA	3
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	5
104	HUSO(11.5X30)	PL SPLICE CASE	EA	1
106	HO6	OTDR FIBER TESTING	EA	3
111	BHF(30X48X36)	PL HH	EA	1
151	BDO204	PL PED/TERM	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
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CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 01/08/2022

DATE REVISED:

DRAWN BY: BONFIRE

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Sheet 147 of 155

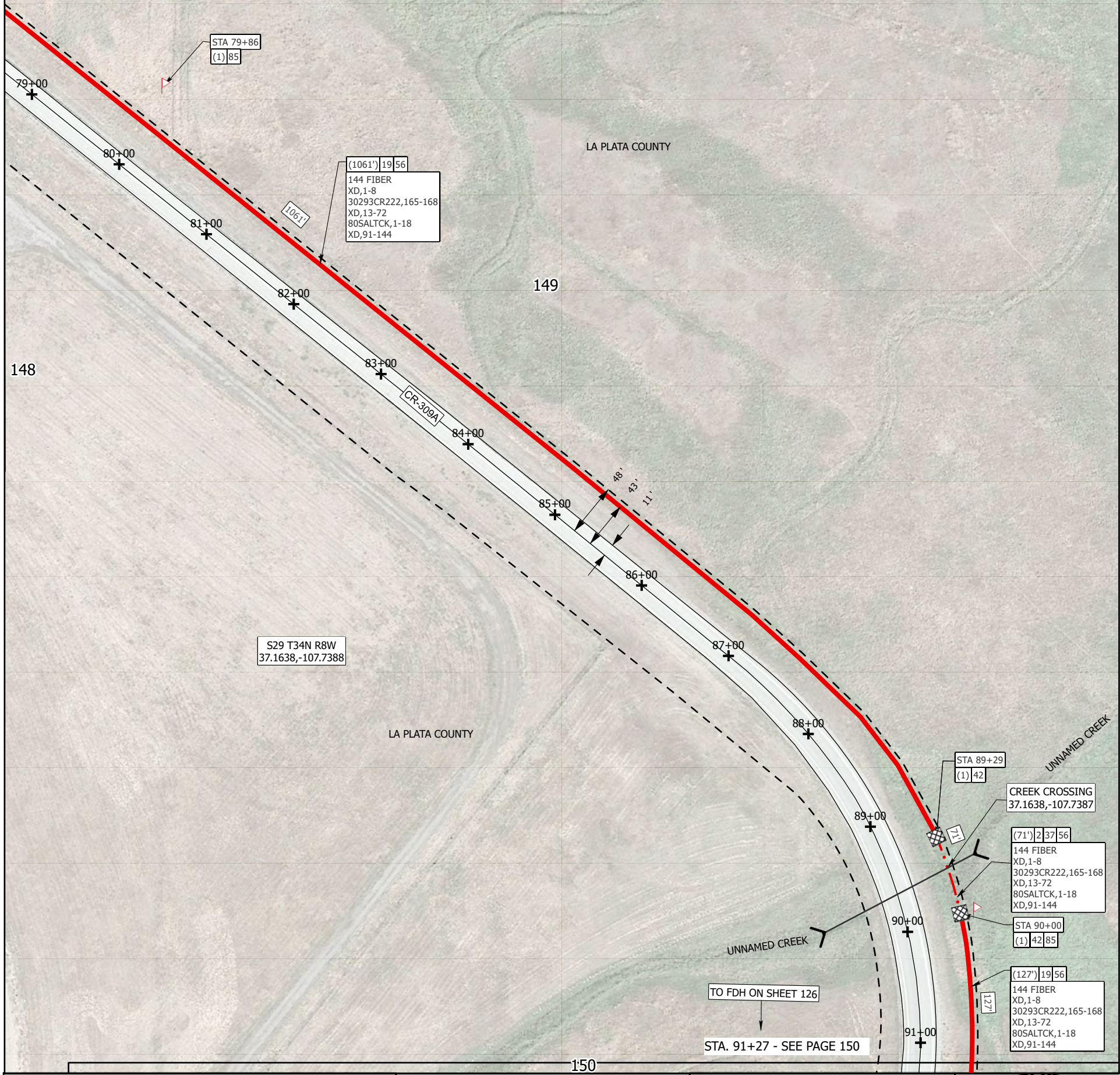
DESCRIPTION:
Southern Ute Tribe PH2 SW Route

050100


Feet




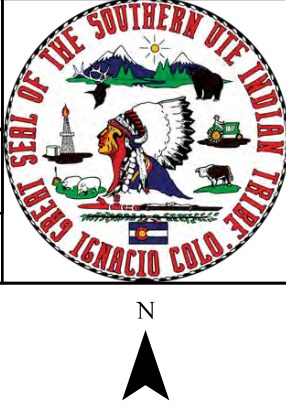
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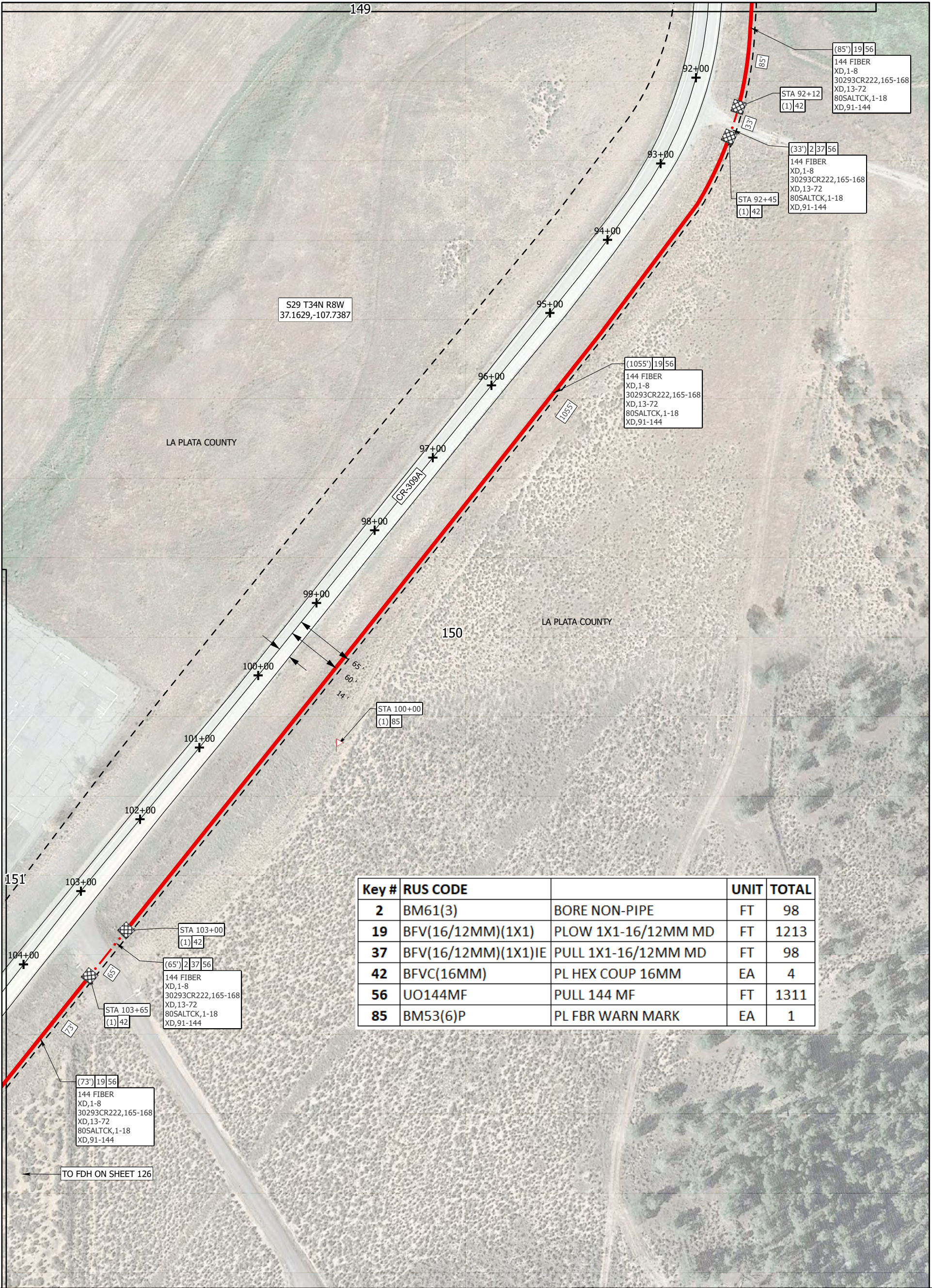


NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.
NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.
PHONE NUMBER: 720-507-9005

	
DATE CREATED: 01/08/2022	
DATE REVISED:	
DRAWN BY: BONFIRE	
COMPANY: BONFIRE	


bonfire engineering and construction






Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	98
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1213
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	98
42	BFVC(16MM)	PL HEX COUP 16MM	EA	4
56	UO144MF	PULL 144 MF	FT	1311
85	BM53(6)P	PL FBR WARN MARK	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 01/08/2022

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY: BONFIRE



Sheet 150 of 155

DESCRIPTION:
Southern Ute Tribe PH2 SW Route





050100

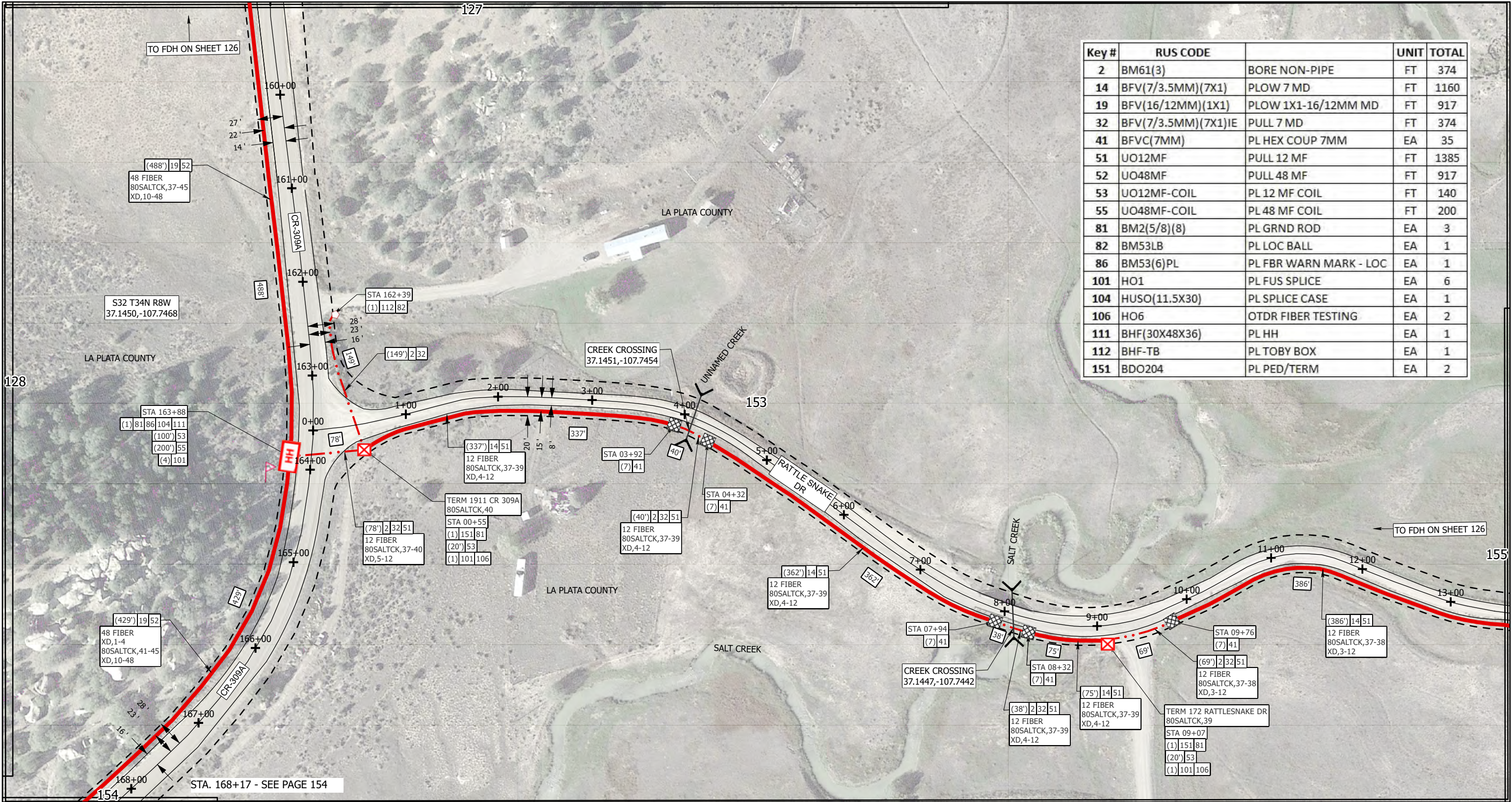
Feet



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NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.			
NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.	DATE CREATED: 01/08/2022	Sheet 152 of 155	
	DATE REVISED:	DESCRIPTION: Southern Ute Tribe PH2 SW Route	
PHONE NUMBER: 720-507-9005	DRAWN BY: BONFIRE	<div><div>050100</div><div><div></div></div>Feet</div> <div>N</div>	
	COMPANY: BONFIRE		



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	374
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	1160
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	917
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	374
41	BFVC(7MM)	PL HEX COUP 7MM	EA	35
51	UO12MF	PULL 12 MF	FT	1385
52	UO48MF	PULL 48 MF	FT	917
53	UO12MF-COIL	PL 12 MF COIL	FT	140
55	UO48MF-COIL	PL 48 MF COIL	FT	200
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53LB	PL LOC BALL	EA	1
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	6
104	HUSO(11.5X30)	PL SPLICE CASE	EA	1
106	HO6	OTDR FIBER TESTING	EA	2
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	1
151	BDO204	PL PED/TERM	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
Southern Ute Tribe PH2 SW Route

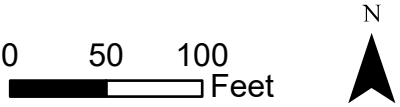
Sheet 153 of 155



NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

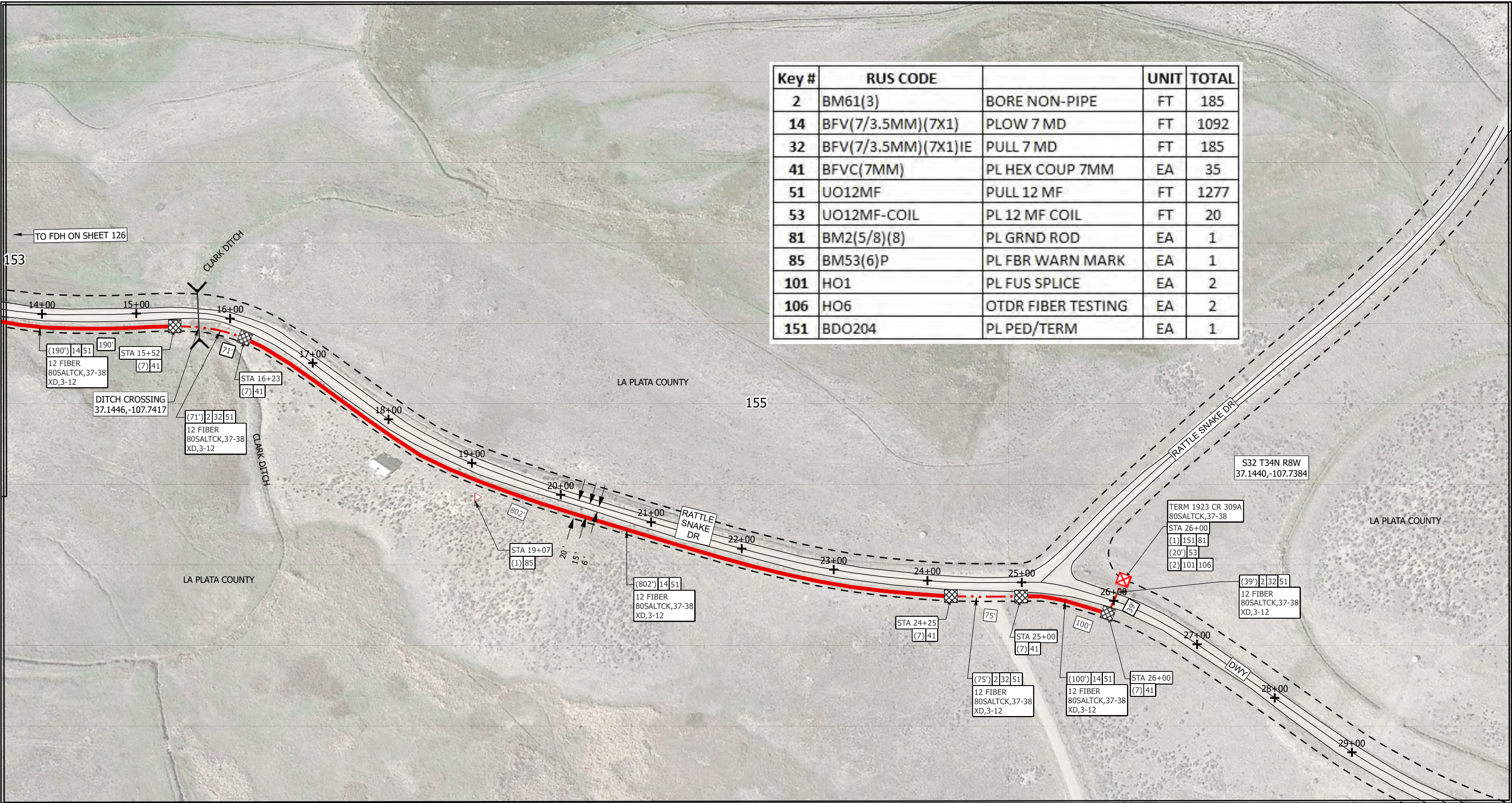
DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 01/08/2022
DATE REVISED:



N

STA. 13+62 - SEE PAGE 153



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	185
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	1092
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	185
41	BFVC(7MM)	PL HEX COUP 7MM	EA	35
51	UO12MF	PULL 12 MF	FT	1277
53	UO12MF-COIL	PL 12 MF COIL	FT	20
81	BM2(5/8)(8)	PL GRND ROD	EA	1
85	BM53(6)P	PL FBR WARN MARK	EA	1
101	HO1	PL FUS SPLICE	EA	2
106	HO6	OTDR FIBER TESTING	EA	2
151	BDO204	PL PED/TERM	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005

DRAWN BY: BONFIRE

COMPANY: BONFIRE

DESCRIPTION:
Southern Ute Tribe PH2 SW Route

DATE CREATED: 01/08/2022


DATE REVISED:


Sheet 155 of 155


050100

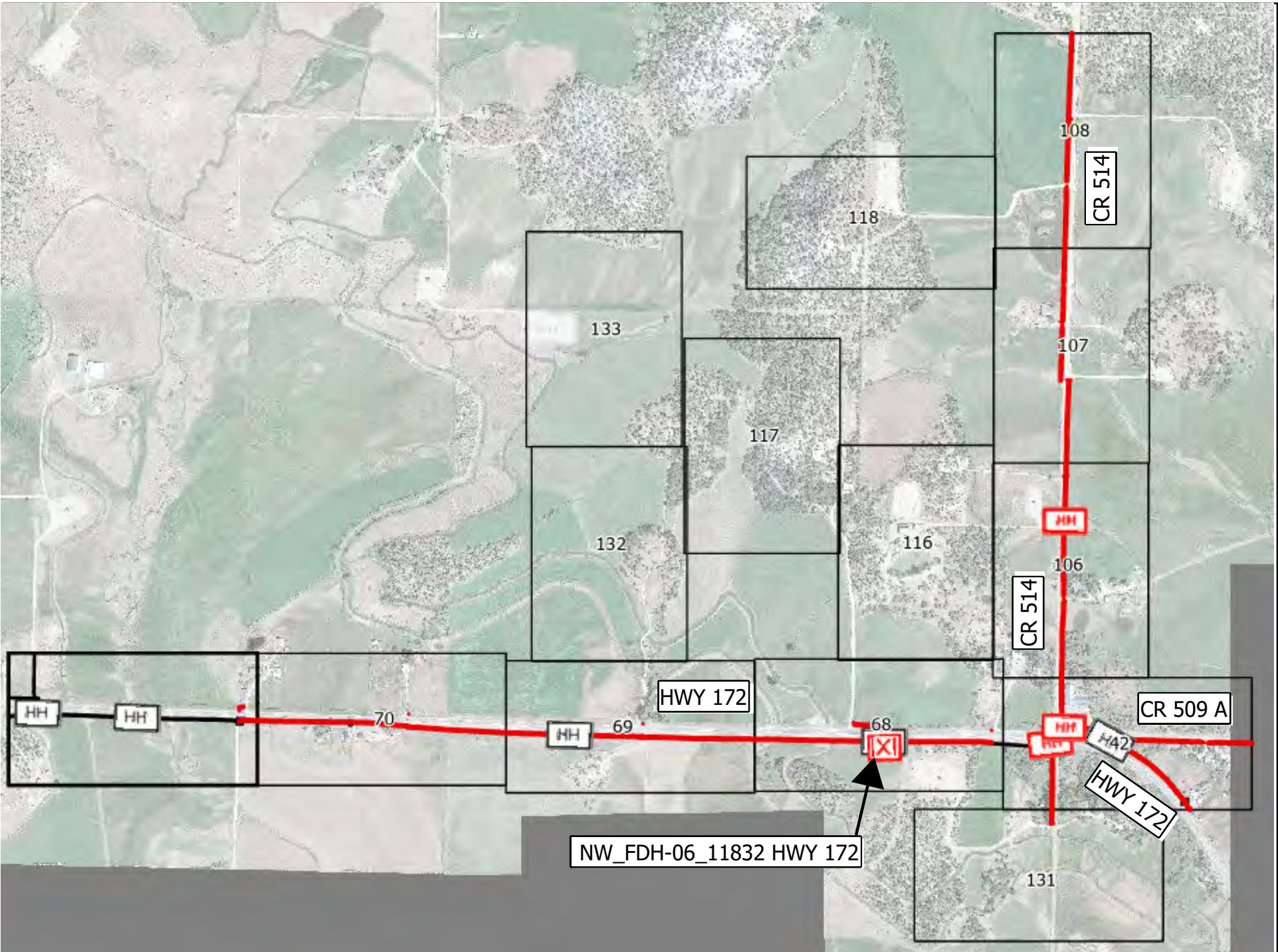
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Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	969
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	200
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	4074
23	BFV(7/3.5MM)(7X1)T	TNCH 7 MD	FT	34
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	FT	20
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	759
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	210
41	BFVC(7MM)	PL HEX COUP 7MM	EA	7
42	BFVC(16MM)	PL HEX COUP 16MM	EA	5
51	UO12MF	PULL 12 MF	FT	4994
52	UO48MF	PULL 48 MF	FT	3298
53	UO12MF-COIL	PL 12 MF COIL	FT	760
55	UO48MF-COIL	PL 48 MF COIL	FT	340
56	UO144MF	PULL 144 MF	FT	996
57	UO144MF-COIL	PL 144 MF COIL	FT	120
81	BM2(5/8)(8)	PL GRND ROD	EA	16
82	BM53LB	PL LOC BALL	EA	10
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	149
104	HUSO(11.5X30)	PL SPLICE CASE	EA	2
106	HO6	OTDR FIBER TESTING	EA	36
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	10
141	FDH(48)	PL FBR DIST HUB 48	EA	1
151	BDO204	PL PED/TERM	EA	14
241	WUD	EXPOSE DUCT	EA	5
244	WBHF	RE-ENTER HH	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.



NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DATE CREATED: 04-08-2022

Sheet 1 of 562

DATE REVISED:

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

PHONE NUMBER: 720-507-9005

DRAWN BY: BONFIRE

COMPANY: BONFIRE

N



Legend

- E

Power_Ped
- X

Ped_New
- ⊠

BorePit
- Terminal
- RT

NewRTCabinet
- HH

NewHH
- .

FiberMarker
- BoredFiber
- ⬠

TobyBox
- ⌵

Culvert
- NW_Sheets
- - -

ROW
- EOP
- +

Stationing
- Centerline
- ←

CalloutLeader
- ▢

MarkerPost
- ⊠

Ped_Existing
- .

MP
- ManHole_Existing
- RT

NewRTCabinet
- XI

NewFSAI
- ⊠

ExFSAI
- HH

HH
- ExistFiber/Duct
- ★

CO
- Plow/Trench
- DetailLeader
- DetailPoly

SOUTHERN UTE RUS CODE MASTER LIST					
Key #	RUS CODE	SHORT DESC FOR PRINTS	DESCRIPTION	UNIT	TOTAL
			FTTP		
2	BM61(3)	BORE NON-PIPE	DIRECTIONAL NON-PIPE BORE	FT	
11	BFV(7/3.5MM)(1X1)	PLOW 1 MD	PLOW 1 MICRODUCT (7/3.5MM)	FT	
12	BFV(7/3.5MM)(2X1)	PLOW 2 MD	PLOW 2 MICRODUCT BUNDLE (7/3.5MM)	FT	
13	BFV(7/3.5MM)(4X1)	PLOW 4 MD	PLOW 4 MICRODUCT BUNDLE (7/3.5MM)	FT	
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	PLOW 7 MICRODUCT BUNDLE (7/3.5MM)	FT	
15	BFV(7/3.5MM)(12X1)	PLOW 12 MD	PLOW 12 MICRODUCT BUNDLE (7/3.5MM)	FT	
16	BFV(7/3.5MM)(19X1)	PLOW 19 MD	PLOW 19 MICRODUCT BUNDLE (7/3.5MM)	FT	
17	BFV(7/3.5MM)(24X1)	PLOW 24 MD	PLOW 24 MICRODUCT BUNDLE (7/3.5MM)	FT	
18	BFV(16/12MM)(1X1) &	PLOW 1X1-16/12MM DUAL MD	PLOW 1X1 16/12 MICRODUCT DUAL PLACEMENT	FT	
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	PLOW 1X1 16/12 MICRODUCT BUNDLE	FT	
20	BFV(7/3.5MM)(1X1)T	TNCH 1 MD	TRENCH 1 MICRODUCT (7/3.5MM)	FT	
21	BFV(7/3.5MM)(2X1)T	TNCH 2 MD	TRENCH 2 MICRODUCT BUNDLE (7/3.5MM)	FT	
22	BFV(7/3.5MM)(4X1)T	TNCH 4 MD	TRENCH 4 MICRODUCT BUNDLE (7/3.5MM)	FT	
23	BFV(7/3.5MM)(7X1)T	TNCH 7 MD	TRENCH 7 MICRODUCT BUNDLE (7/3.5MM)	FT	
24	BFV(7/3.5MM)(12X1)T	TNCH 12 MD	TRENCH 12 MICRODUCT BUNDLE (7/3.5MM)	FT	
25	BFV(7/3.5MM)(19X1)T	TNCH 19 MD	TRENCH 19 MICRODUCT BUNDLE (7/3.5MM)	FT	
26	BFV(7/3.5MM)(24X1)T	TNCH 24 MD	TRENCH 24 MICRODUCT BUNDLE (7/3.5MM)	FT	
27	BFV(16/12MM)(1X1)T &	TNCH 1X1 16/12MM DUAL MD	TRENCH 1X1-16/12 MICRODUCT DUAL PLACEMENT	FT	
28	BFV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	TRENCH 1X1 16/12 MICRODUCT BUNDLE	FT	
29	BFV(7/3.5MM)(1X1)IE	PULL 1 MD	PULL MICRODUCT IN NON-PIPE BORE	FT	
30	BFV(7/3.5MM)(2X1)IE	PULL 2 MD	PULL MICRODUCT IN NON-PIPE BORE, 2 MICRODUCT BUNDLE	FT	
31	BFV(7/3.5MM)(4X1)IE	PULL 4 MD	PULL MICRODUCT IN NON-PIPE BORE 4 MICRODUCT BUNDLE	FT	
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	PULL MICRODUCT IN NON-PIPE BORE 7 MICRODUCT BUNDLE	FT	
33	BFV(7/3.5MM)(12X1)IE	PULL 12 MD	PULL MICRODUCT IN NON-PIPE BORE 12 MICRODUCT BUNDLE	FT	
34	BFV(7/3.5MM)(19X1)IE	PULL 19 MD	PULL MICRODUCT IN NON-PIPE BORE, 19 MICRODUCT BUNDLE	FT	
35	BFV(7/3.5MM)(24X1)IE	PULL 24 MD	PULL MICRODUCT IN NON-PIPE BORE 24 MICRODUCT BUNDLE	FT	
36	BFV(16/12MM)(1X1)IE &	PULL 1X1-16/12MM MD &	PULL 1X1-16/12MM MICRODUCT IN NON PIPE BORE DUAL PLACEMENT	FT	
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	PULL 1X1-16/12MM MICRODUCT IN NON PIPE BORE	FT	
38	BFV(16/12MM)(7X1)T	TNCH 7X1-16/12MM MD	TRENCH 7X1-16/12MM MICRODUCT BUNDLE	FT	
39	BFV(16/12MM)(7X1)	PLOW 7X1 - 16/12MM MD	PLOW 7X1-16/12MM MICRODUCT BUNDLE	FT	
40	BFV(16/12MM)(7X1)IE	PULL 7X1 - 16/12MM MD	PULL 7X1-16/12MM MICRODUCT BUNDLE	FT	
41	BFVC(7MM)	PL HEX COUP 7MM	PLACE HEXATRONIC DUCT COUPLER-7MM MICRODUCT	EA	
42	BFVC(16MM)	PL HEX COUP 16MM	PLACE HEXATRONIC DUCT COUPLER-16MM MICRODUCT	EA	
51	UO12MF	PULL 12 MF	PULL 12 MICROFIBER IN DUCT	FT	
52	UO48MF	PULL 48 MF	PULL 48 MICROFIBER IN DUCT	FT	
53	UO12MF-COIL	PL 12 MF COIL	PLACE 12 MICROFIBER COIL	FT	
53	UO24MF	PULL 24 MF	PULL 24 MICROFIBER IN DUCT	FT	
54	UO24MF-COIL	PL 24 MF COIL	PLACE 24 MICROFIBER COIL	FT	
55	UO48MF-COIL	PL 48 MF COIL	PLACE 48 MICROFIBER COIL	FT	
56	UO144MF	PULL 144 MF	PULL 144 MICROFIBER IN DUCT	FT	
57	UO144MF-COIL	PL 144 MF COIL	PLACE 144 MICROFIBER COIL	FT	
81	BM2(5/8)(8)	PL GRND ROD	GROUND ROD	EA	
82	BM53LB	PL LOC BALL	PL ELECTRONIC LOCATE BALL	EA	
83	BM75-DAP-SD	PL DAP-SD	PLACE DUCT ACCESS POINT BRANCH-EXCAVATION ONLY FOR COUPLERS	EA	
84	BM75-DAP	PL DAP	PLACE DUCT ACCESS POINT-EXCAVATION ONLY FOR COUPLERS	EA	
85	BM53(6)P	PL FBR WARN MARK	BURIED FIBER WARNING MARKER	EA	
86	BM53(6)PL	PL FBR WARN MARK - LOC	BURIED FIBER WARNING MARKER - LOCATEABLE	EA	
87	BM73F	PL FLOW FILL	PLACE FLOW FILL	FT	
98	R1-10	CLEAR 10' ROW	CLEAR ROW 10' WIDE	FT	
99	R1-10G	CLEAR & GRUB 10' ROW	CLEAR & GRUB ROW 10' WIDE	FT	
101	HO1	PL FUS SPLICE	FUSION SPLICE	EA	
102	HO6	OTDR FIBER TEST	OTDR FIBER TEST	EA	
104	HUSO(11.5X30)	PL SPLICE CASE	SPLICE CASE	EA	
106	HO6	OTDR FIBER TESTING	OTDR FIBER TESTING	EA	
111	BHF(30X48X36)	PL HH	HAND HOLE 30"X48"X30"	EA	
112	BHF-T8	PL TOBY BOX	PLACE HEXATRONIC TOBY BOX SUBSCRIBER ACCESS CHAMBER	EA	
113	BDO5	PL PED	PLACE 10" PED	EA	
141	FDH(48)	PL FBR DIST HUB 48	FIBER DISTRIBUTION HUB 48 PORT	EA	
151	BDO204	PL PED/TERM	PLACE COMBO PED/TERM	EA	
241	WUD	EXPOSE DUCT	LOCATE AND EXPOSE EXISTING DUCT BUNDLE	EA	
242	WBDSO	RE-ENTER FSAI	RE-ENTER FSAI	EA	
243	WBDO	RE-ENTER PED	RE-ENTER PEDESTAL	EA	
244	WBHF	RE-ENTER HH	RE-ENTER HANDHOLE	EA	

Key #	Description
1-10	BORE CODES
11-50	CONDUIT AND COUPLER CODES
51-80	FIBER CABLE CODES
81-100	MISCELLANEOUS CODES BM, ETC
101-110	SPLICE CODES
111-130	HANDHOLES AND STRUCTURES
141-150	FSAI AND CABINETS
151-230	TERMINALS
231-240	ADDERS, ROCK ETC
241-250	REARRANGE EXISTING(W)

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

PHONE NUMBER:
720-507-9005

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DRAWN BY: BONFIRE

COMPANY: BONFIRE

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

DATE CREATED: 04/08/2022

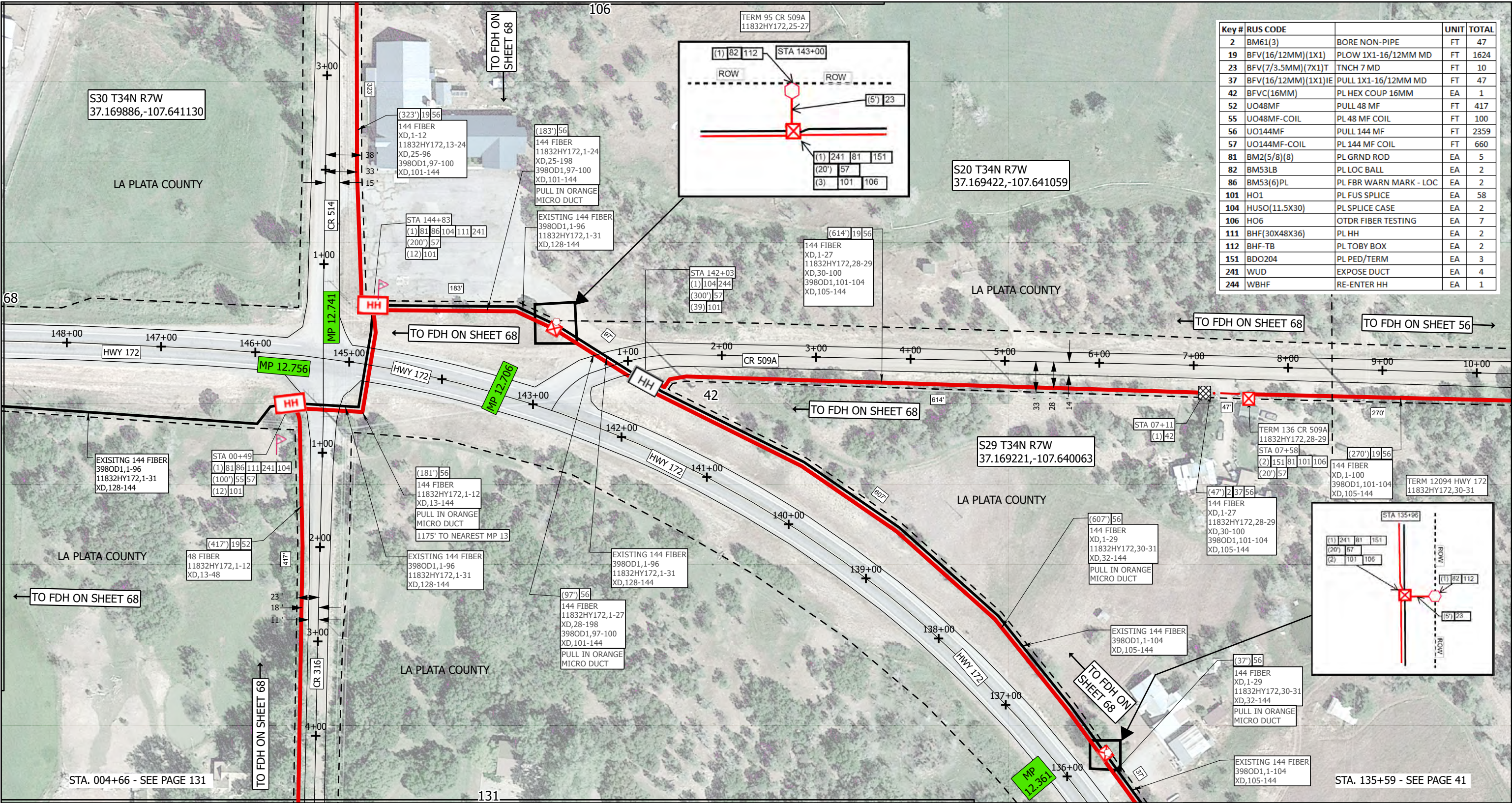
DATE REVISED:

Sheet 2 of 562

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STA. 148+70 - SEE PAGE 68

STA. 010+28 - SEE PAGE 50



Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	47
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1624
23	BFV(7/3.5MM)(7X1)T	TNCH 7 MD	FT	10
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	47
42	BFVC(16MM)	PL HEX COUP 16MM	EA	1
52	UO48MF	PULL 48 MF	FT	417
55	UO48MF-COIL	PL 48 MF COIL	FT	100
56	UO144MF	PULL 144 MF	FT	2359
57	UO144MF-COIL	PL 144 MF COIL	FT	660
81	BM2(5/8)(8)	PL GRND ROD	EA	5
82	BM53LB	PL LOC BALL	EA	2
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	2
101	HO1	PL FUS SPLICE	EA	58
104	HUSO(11.5X30)	PL SPLICE CASE	EA	2
106	HO6	OTDR FIBER TESTING	EA	7
111	BHF(30X48X36)	PL HH	EA	2
112	BHF-TB	PL TOBY BOX	EA	2
151	BDO204	PL PED/TERM	EA	3
241	WUD	EXPOSE DUCT	EA	4
244	WBHF	RE-ENTER HH	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
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CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005

DRAWN BY: BONFIRE

COMPANY: BONFIRE

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

DATE CREATED: 04-08-2022

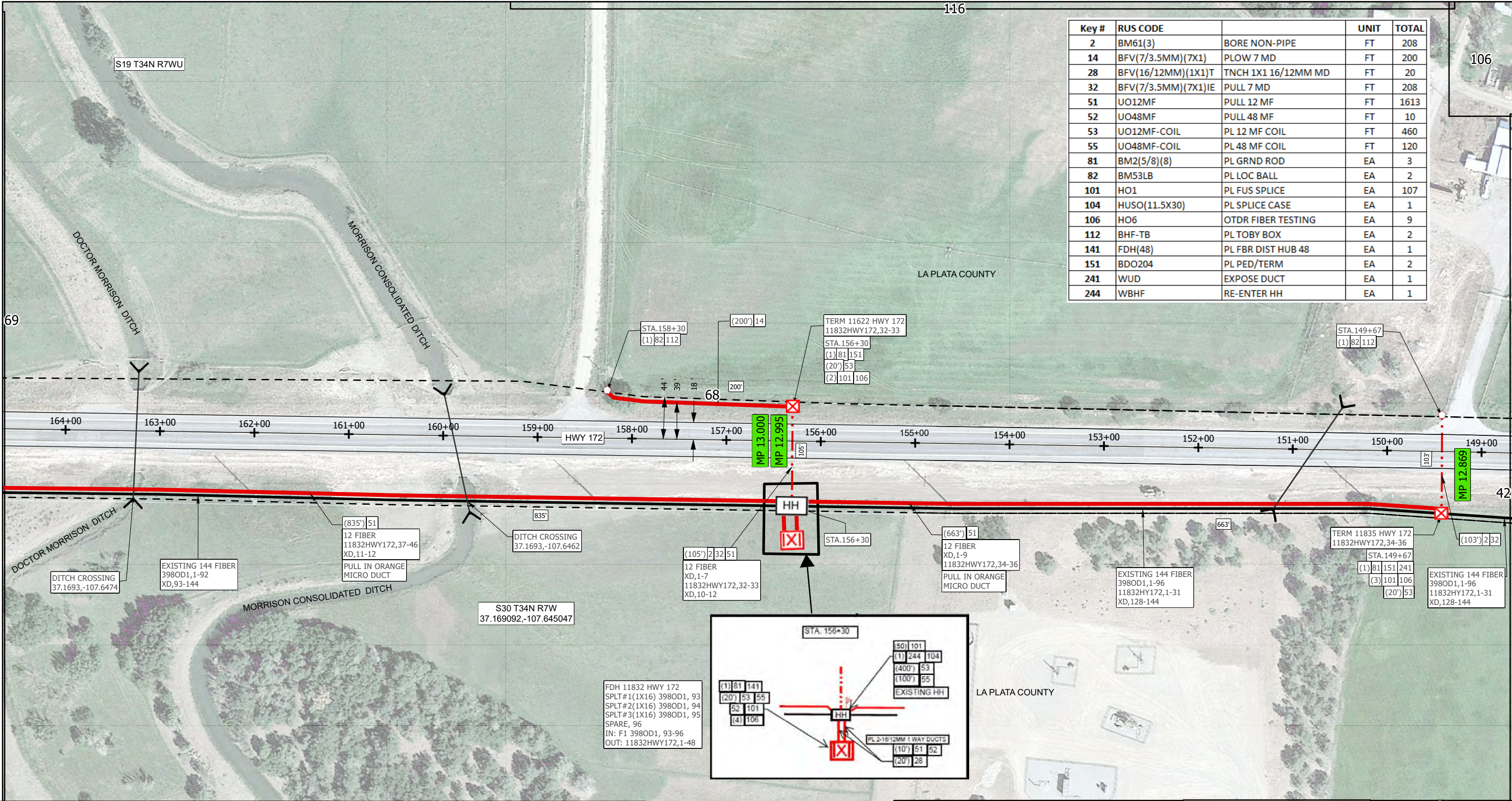
DATE REVISED:

Sheet 42 of 562

050100

Feet

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NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

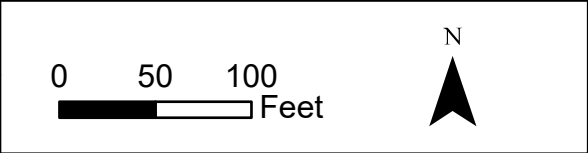
Sheet 68 of 562



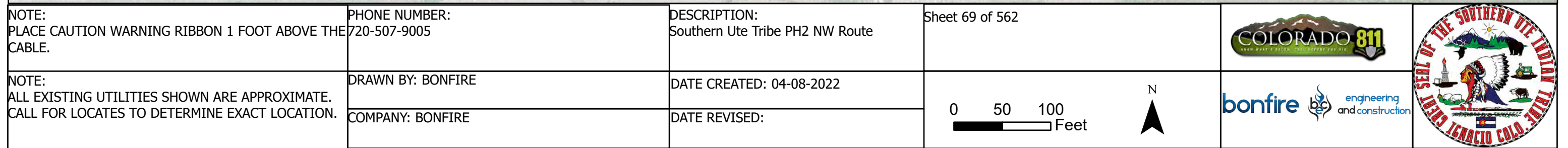
NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DRAWN BY: BONFIRE
COMPANY: BONFIRE

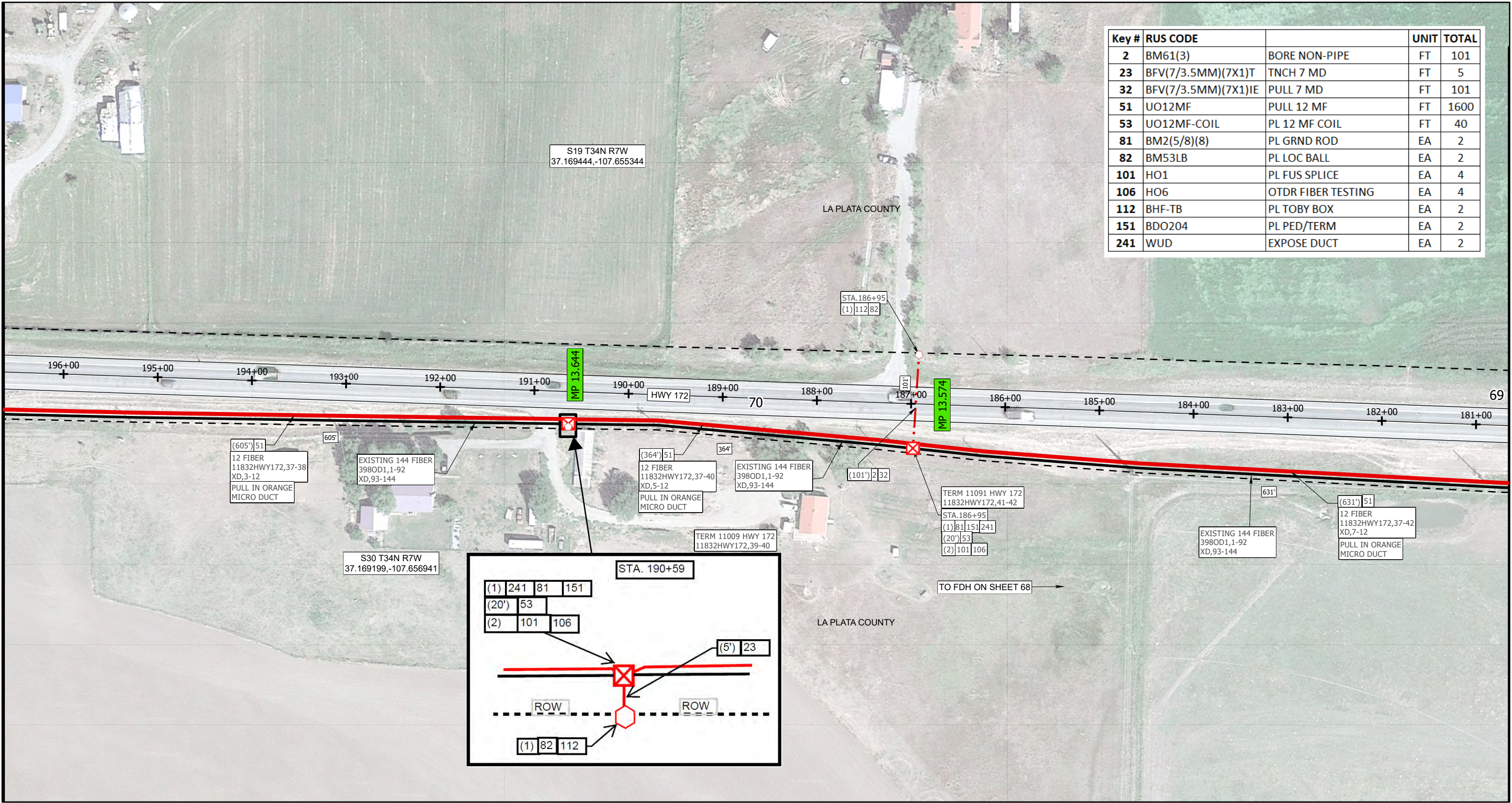
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DATE REVISED:






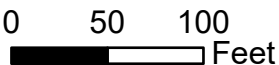

STA. 164+65 - SEE PAGE 68



STA. 196+64 - SEE PAGE 71

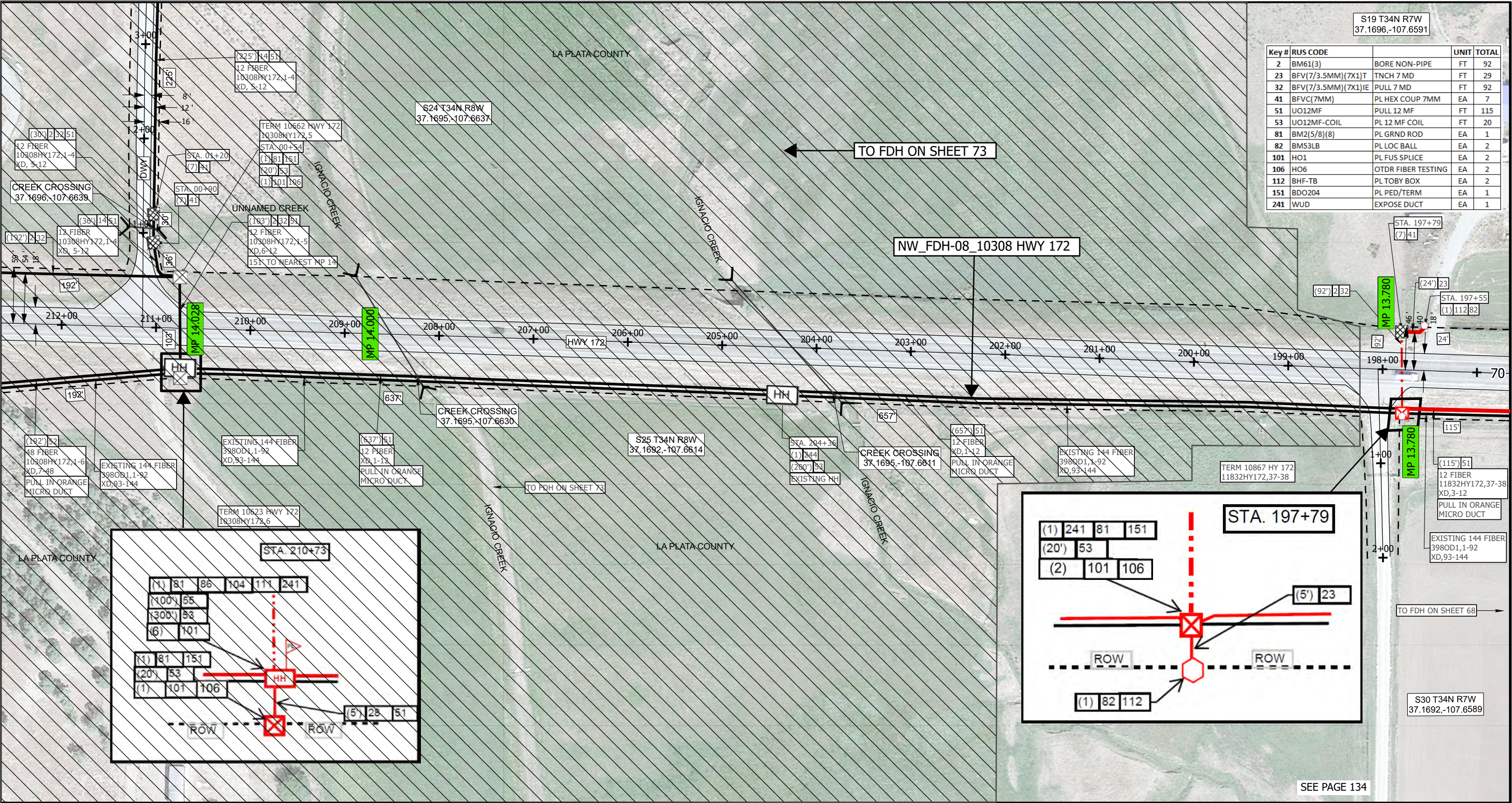


STA. 180+64 - SEE PAGE 69

NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.	PHONE NUMBER: 720-507-9005	DESCRIPTION: Southern Ute Tribe PH2 NW Route	Sheet 70 of 562	  
NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.	DRAWN BY: BONFIRE COMPANY: BONFIRE	DATE CREATED: 04-08-2022 DATE REVISED:	 	

STA. 212+65 - SEE PAGE 72

STA. 196+64 - SEE PAGE 70



S19 T34N R7W
37.1696,-107.6591

Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	92
23	BFV(7/3.5MM)(7X1)T	TNCH 7 MD	FT	29
32	BFV(7/3.5MM)(7X1)E	PULL 7 MD	FT	92
41	BFVC(7MM)	PL HEX COUP 7MM	EA	7
51	UO12MF	PULL 12 MF	FT	115
53	UO12MF-COIL	PL 12 MF COIL	FT	20
81	BM2(5/8)(8)	PL GRND ROD	EA	1
82	BM53LB	PL LOC BALL	EA	2
101	HO1	PL FUS SPLICE	EA	2
106	HO6	OTDR FIBER TESTING	EA	2
112	BHF-TB	PL TOBY BOX	EA	2
151	BDO204	PL PED/TERM	EA	1
241	WUD	EXPOSE DUCT	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005

DRAWN BY: BONFIRE

COMPANY: BONFIRE

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

DATE CREATED: 04-08-2022

DATE REVISED:

Sheet 71 of 562

050100

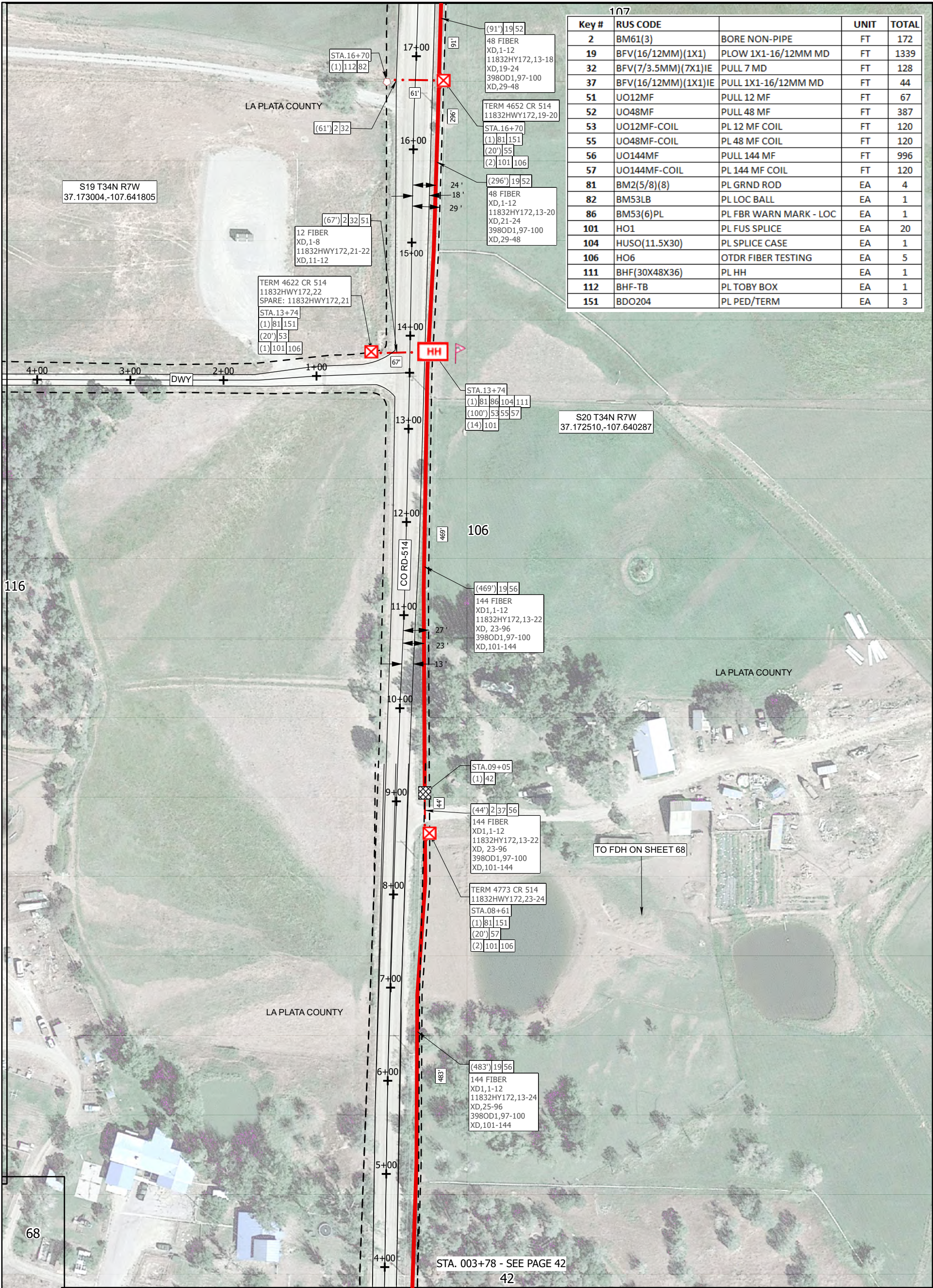
Feet

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STA. 04+38 - SEE PAGE 116



NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 04-08-2022

DATE REVISED:

DRAWN BY: BONFIRE


COMPANY: BONFIRE



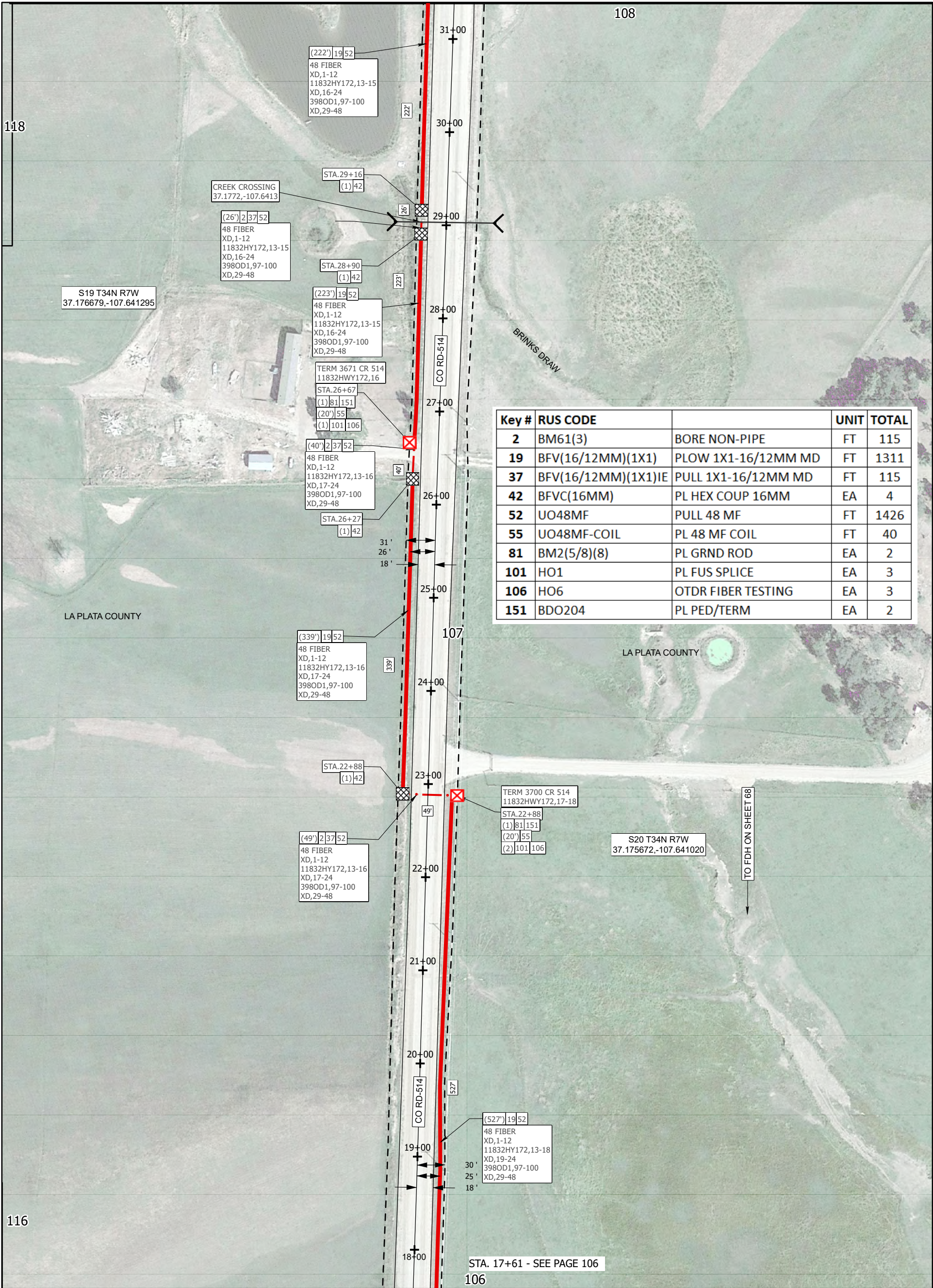
Sheet 106 of 562

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

0 50 100 Feet








NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 04-08-2022

DATE REVISED:

DRAWN BY: BONFIRE


COMPANY: BONFIRE



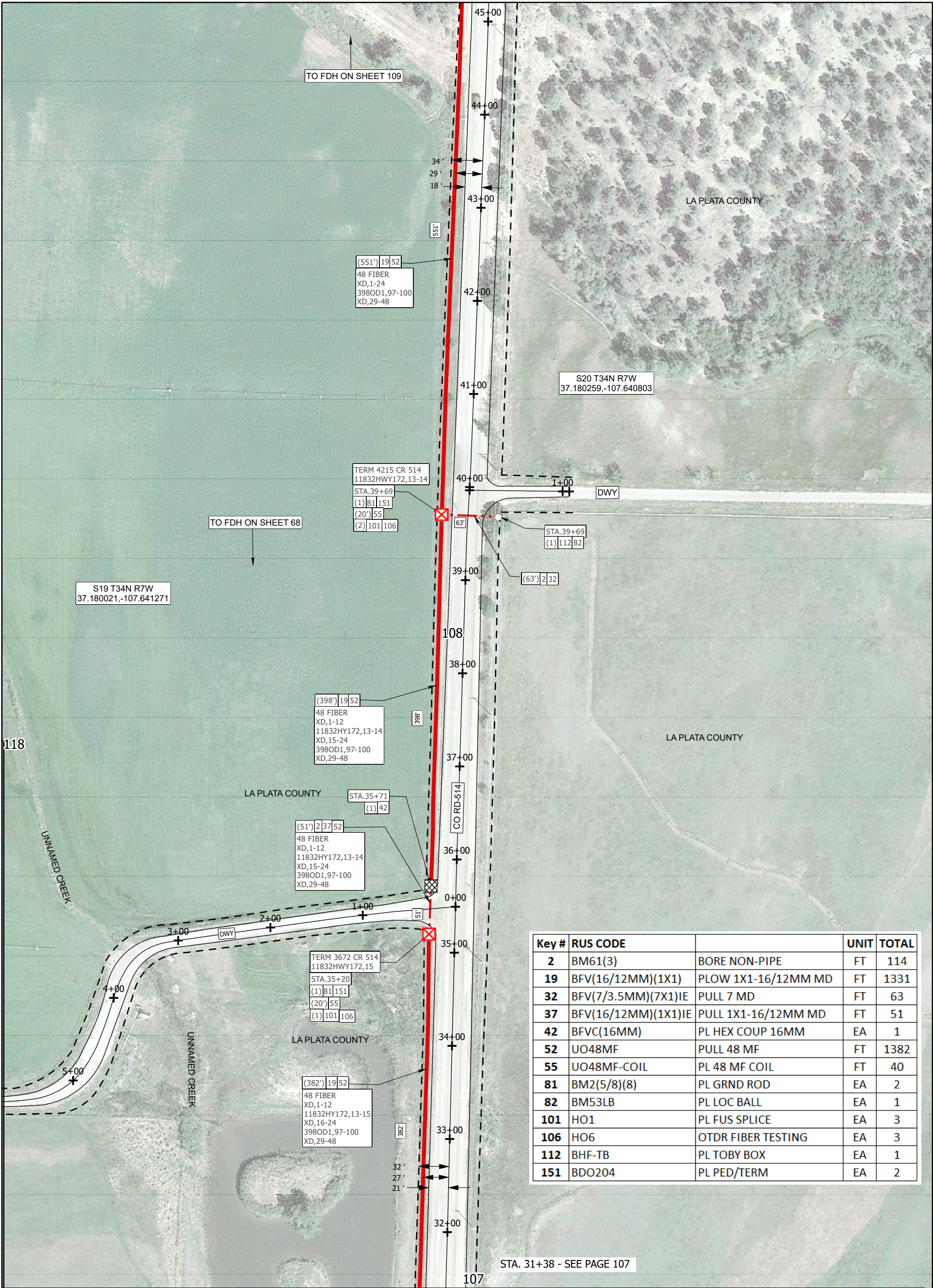
Sheet 107 of 562

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

0 50 100 Feet








Key #	RUS CODE		UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	114
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1331
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	63
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	51
42	BFVC(16MM)	PL HEX COUP 16MM	EA	1
52	UO48MF	PULL 48 MF	FT	1382
55	UO48MF-COIL	PL 48 MF COIL	FT	40
81	BM2(5/8)(8)	PL GRND ROD	EA	2
82	BM53LB	PL LOC BALL	EA	1
101	HO1	PL FUS SPLICE	EA	3
106	HO6	OTDR FIBER TESTING	EA	3
112	BHF-TB	PL TOBY BOX	EA	1
151	BDO204	PL PED/TERM	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER: 720-507-9005




DATE CREATED: 04-08-2022

DATE REVISED:

DRAWN BY: BONFIRE


COMPANY: BONFIRE



Sheet 108 of 562

DESCRIPTION:
Southern Ute Tribe PH2 NW Route

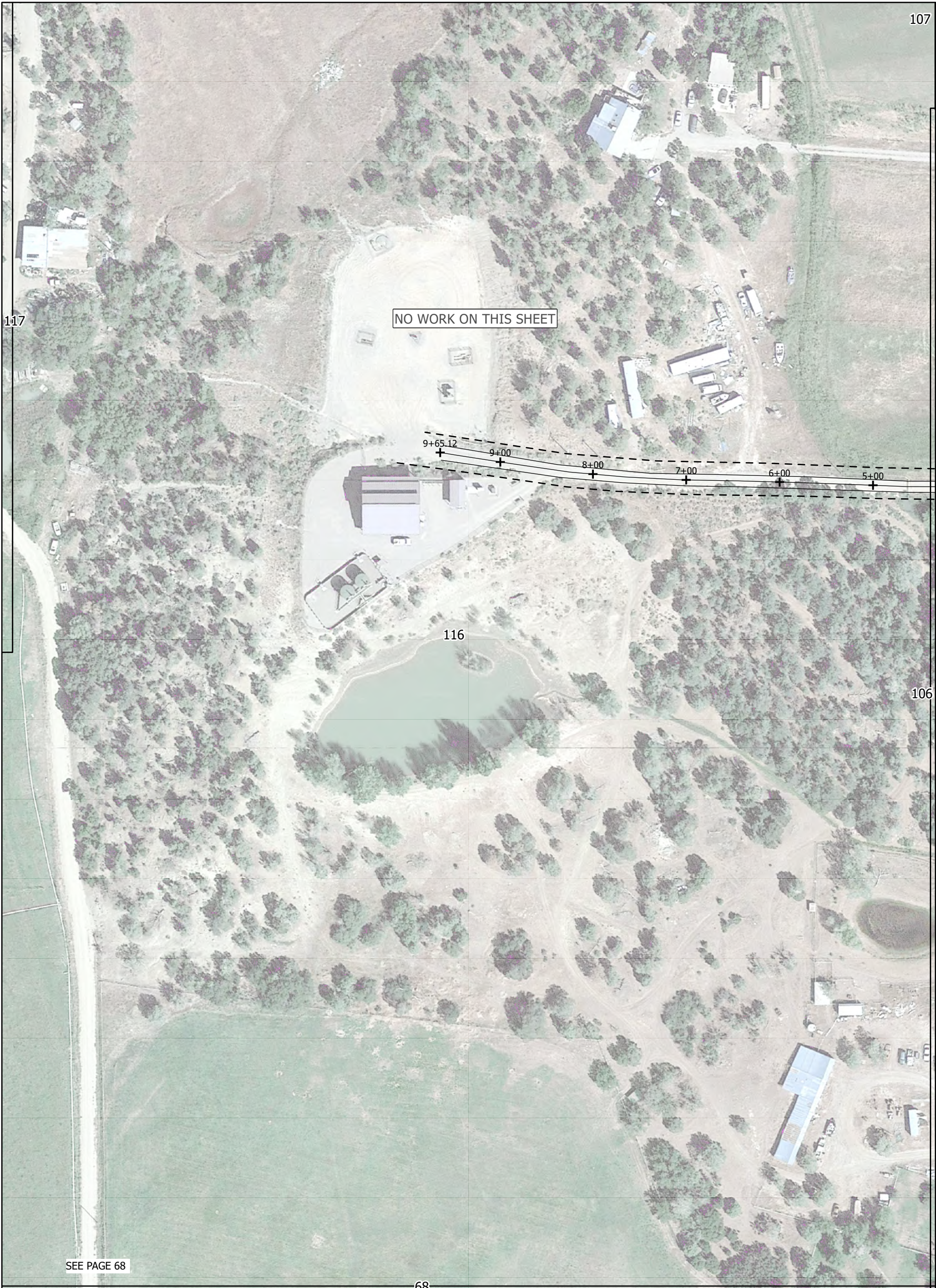
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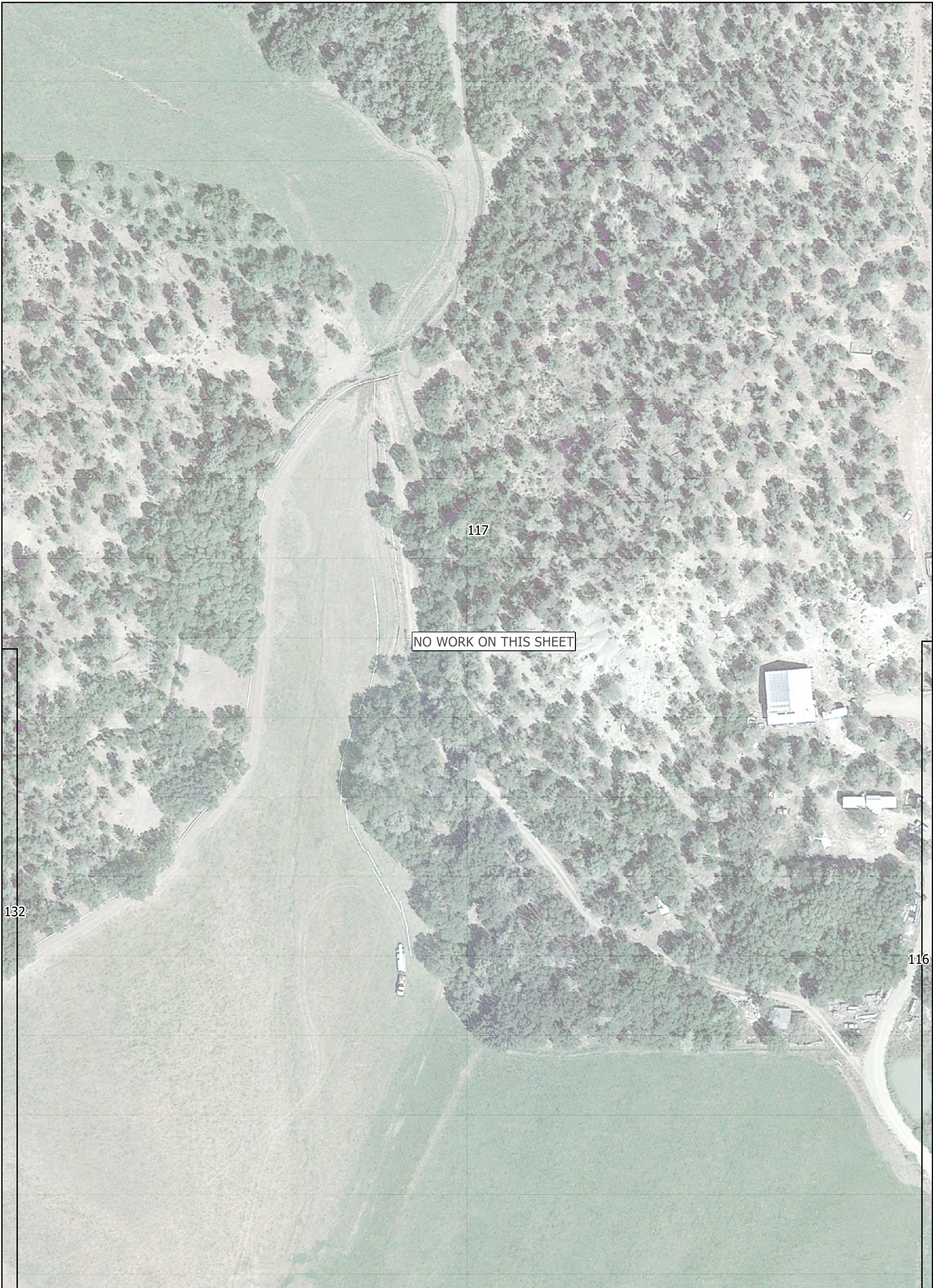





STA. 006+00 - SEE PAGE 118

SEE PAGE 119







<p>NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.</p>			
<p>NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.</p>	<p>DATE CREATED: 04-08-2022</p> <p>DATE REVISED:</p>	<p>Sheet 116 of 562</p> <p>DESCRIPTION: Southern Ute Tribe PH2 NW Route</p>	
<p>PHONE NUMBER: 720-507-9005</p>	<p>DRAWN BY: BONFIRE</p> <p>COMPANY: BONFIRE</p>	<p>0 50 100 Feet</p>	<p>N</p> 

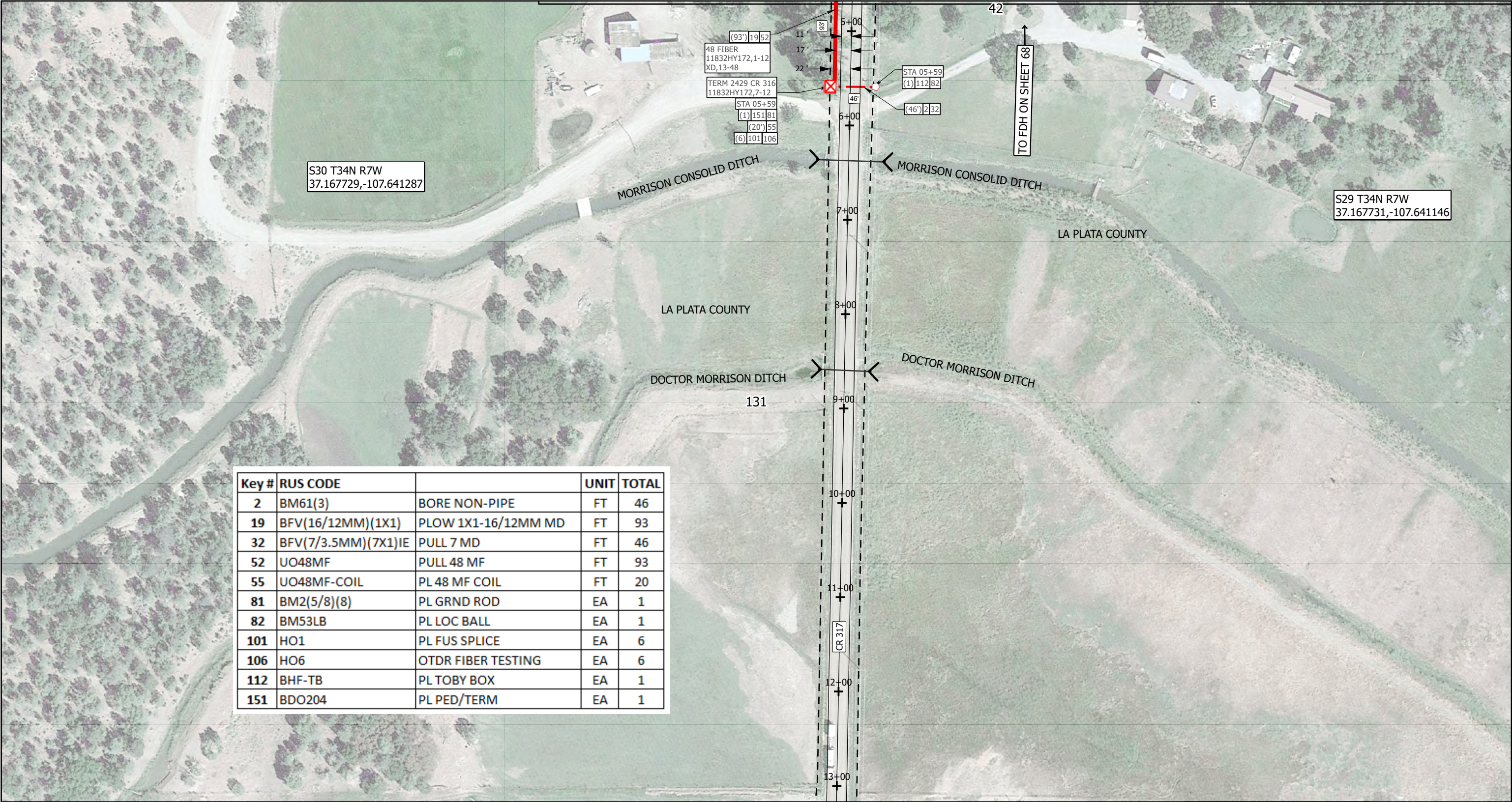






<p>NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.</p>			
<p>NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.</p>	<p>DATE CREATED: 04-08-2022</p>	<p>Sheet 117 of 562</p>	
<p>PHONE NUMBER: 720-507-9005</p>	<p>DATE REVISED:</p> <p>DRAWN BY: BONFIRE</p> <p>COMPANY: BONFIRE</p>	<p>DESCRIPTION: Southern Ute Tribe PH2 NW Route</p> <p>0 50 100 Feet</p> <p>N</p>	







STA. 005+82 - SEE PAGE 108

<p>NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.</p>	<p>PHONE NUMBER: 720-507-9005</p>	<p>DESCRIPTION: Southern Ute Tribe PH2 NW Route</p>	<p>Sheet 118 of 562</p>		
<p>NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.</p>	<p>DRAWN BY: BONFIRE COMPANY: BONFIRE</p>	<p>DATE CREATED: 04-08-2022 DATE REVISED:</p>	<p>0 50 100 Feet</p> 		








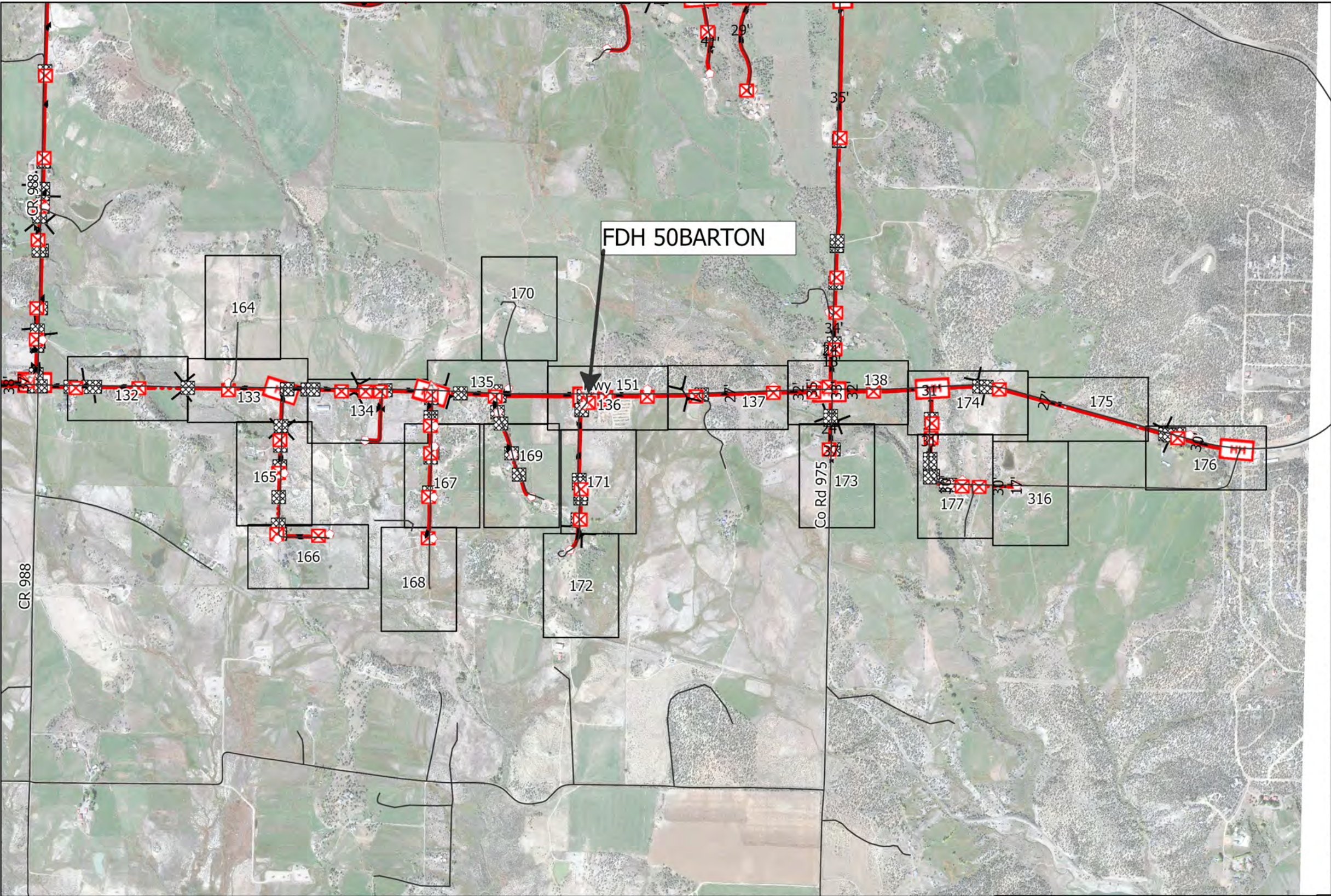
NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.	PHONE NUMBER: 720-507-9005	DESCRIPTION: Southern Ute Tribe PH2 NW Route	Sheet 131 of 562	  
NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.	DRAWN BY: BONFIRE COMPANY: BONFIRE	DATE CREATED: 04-08-2022 DATE REVISED:	0 50 100 Feet 	



<p>NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.</p>			
<p>NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.</p>	<p>DATE CREATED: 04-08-2022</p> <p>DATE REVISED:</p>	<p>Sheet 132 of 562</p> <p>DESCRIPTION: Southern Ute Tribe PH2 NW Route</p>	
<p>PHONE NUMBER: 720-507-9005</p>	<p>DRAWN BY: BONFIRE</p> <p>COMPANY: BONFIRE</p>	<p>0 50 100 Feet</p>	<p>N</p> 



<p>NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.</p>			
<p>NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.</p>	<p>DATE CREATED: 04-08-2022</p>	<p>Sheet 133 of 562</p>	
<p>PHONE NUMBER: 720-507-9005</p>	<p>DATE REVISED:</p> <p>DRAWN BY: BONFIRE</p> <p>COMPANY: BONFIRE</p>	<p>DESCRIPTION: Southern Ute Tribe PH2 NW Route</p> <div data-bbox="1340 2937 1602 2999"><p>0 50 100 Feet</p></div> <div data-bbox="1743 2905 1784 2999"><p>N</p></div>	



RUS Code	Description	TOTAL
2	BM61(3)	7004
14	BFV(7/3.5MM)(7X1)	2655
19	BFV(16/12MM)(1X1)	6347
23	BFV(7/3.5MM)(7X1)T	25
28	BFV(16/12MM)(1X1)T	20
32	BFV(7/3.5MM)(7X1)IE	3068
37	BFV(16/12MM)(1X1)IE	1540
39	BFV(16/12MM)(7X1)	13668
40	BFV(16/12MM)(7X1)IE	2415
41	BFVC(7MM)	77
42	BFVC(16MM)	179
51	UO12MF	8109
52	UO48MF	18073
53	UO12MF-COIL	1200
58	UO24MF	0
54	UO24MF-COIL	0
55	UO48MF-COIL	1480
56	UO144MF	16099
57	UO144MF-COIL	1120
81	BM2(5/8)(8)	40
82	BM53LB	25
85	BM53(6)P	2
86	BM53(6)PL	5
101	HO1	325
104	HUSO(11.5X30)	6
106	HO6	63
111	BHF(30X48X36)	6
112	BHF-TB	25
141	FDH(48)	1
151	BDO204	182
241	WUD	0
242	WBDSO	0
243	WBDO	0
244	WBHF	0

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

SHEET 1 OF 317

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 8/30/2021
DATE REVISED:



Legend

- Power_Ped
- Ped_New
- BorePit
- Terminal
- NewRTCabinet
- NewHH
- FiberMarker
- BoredFiber
- TobyBox
- Culvert
- NW_Sheets
- ROW
- EOP
- Stationing
- Centerline
- CalloutLeader
- MarkerPost
- Ped_Existing
- MP
- ManHole_Existing
- NewRTCabinet
- NewFSAI
- ExFSAI
- HH
- ExistFiber/Duct
- CO
- Plow/Trench
- DetailLeader
- DetailPoly

SOUTHERN UTE RUS CODE MASTER LIST					
Key #	RUS CODE	SHORT DESC FOR PRINTS	DESCRIPTION	UNIT	TOTAL
			FTTP		
2	BM01(S)	BORE NON-PIPE	DIRECTIONAL NON-PIPE BORE	FT	
11	BPV(7/3.5MM)(1X1)	FLOW 1 MD	FLOW 1 MICRODUCT (7/3.5MM)	FT	
12	BPV(7/3.5MM)(2X1)	FLOW 2 MD	FLOW 2 MICRODUCT BUNDLE (7/3.5MM)	FT	
13	BPV(7/3.5MM)(4X1)	FLOW 4 MD	FLOW 4 MICRODUCT BUNDLE (7/3.5MM)	FT	
14	BPV(7/3.5MM)(7X1)	FLOW 7 MD	FLOW 7 MICRODUCT BUNDLE (7/3.5MM)	FT	
15	BPV(7/3.5MM)(12X1)	FLOW 12 MD	FLOW 12 MICRODUCT BUNDLE (7/3.5MM)	FT	
16	BPV(7/3.5MM)(18X1)	FLOW 18 MD	FLOW 18 MICRODUCT BUNDLE (7/3.5MM)	FT	
17	BPV(7/3.5MM)(24X1)	FLOW 24 MD	FLOW 24 MICRODUCT BUNDLE (7/3.5MM)	FT	
18	BPV(16/12MM)(1X1) &	FLOW 1X1-16/12MM DUAL MD	FLOW 1X1 16/12 MICRODUCT DUAL PLACEMENT	FT	
19	BPV(16/12MM)(1X1)	FLOW 1X1-16/12MM MD	FLOW 1X1 16/12 MICRODUCT BUNDLE	FT	
20	BPV(7/3.5MM)(1X1)T	TNCH 1 MD	TRENCH 1 MICRODUCT (7/3.5MM)	FT	
21	BPV(7/3.5MM)(2X1)T	TNCH 2 MD	TRENCH 2 MICRODUCT BUNDLE (7/3.5MM)	FT	
22	BPV(7/3.5MM)(4X1)T	TNCH 4 MD	TRENCH 4 MICRODUCT BUNDLE (7/3.5MM)	FT	
23	BPV(7/3.5MM)(7X1)T	TNCH 7 MD	TRENCH 7 MICRODUCT BUNDLE (7/3.5MM)	FT	
24	BPV(7/3.5MM)(12X1)T	TNCH 12 MD	TRENCH 12 MICRODUCT BUNDLE (7/3.5MM)	FT	
25	BPV(7/3.5MM)(18X1)T	TNCH 18 MD	TRENCH 18 MICRODUCT BUNDLE (7/3.5MM)	FT	
26	BPV(7/3.5MM)(24X1)T	TNCH 24 MD	TRENCH 24 MICRODUCT BUNDLE (7/3.5MM)	FT	
27	BPV(16/12MM)(1X1)T &	TNCH 1X1 16/12MM DUAL MD	TRENCH 1X1-16/12 MICRODUCT DUAL PLACEMENT	FT	
28	BPV(16/12MM)(1X1)T	TNCH 1X1 16/12MM MD	TRENCH 1X1 16/12 MICRODUCT BUNDLE	FT	
29	BPV(7/3.5MM)(1X1)IE	PULL 1 MD	PULL MICRODUCT IN NON-PIPE BORE	FT	
30	BPV(7/3.5MM)(2X1)IE	PULL 2 MD	PULL MICRODUCT IN NON-PIPE BORE, 2 MICRODUCT BUNDLE	FT	
31	BPV(7/3.5MM)(4X1)IE	PULL 4 MD	PULL MICRODUCT IN NON-PIPE BORE 4 MICRODUCT BUNDLE	FT	
32	BPV(7/3.5MM)(7X1)IE	PULL 7 MD	PULL MICRODUCT IN NON-PIPE BORE 7 MICRODUCT BUNDLE	FT	
33	BPV(7/3.5MM)(12X1)IE	PULL 12 MD	PULL MICRODUCT IN NON-PIPE BORE 12 MICRODUCT BUNDLE	FT	
34	BPV(7/3.5MM)(18X1)IE	PULL 18 MD	PULL MICRODUCT IN NON-PIPE BORE, 18 MICRODUCT BUNDLE	FT	
35	BPV(7/3.5MM)(24X1)IE	PULL 24 MD	PULL MICRODUCT IN NON-PIPE BORE 24 MICRODUCT BUNDLE	FT	
36	BPV(16/12MM)(1X1)IE &	PULL 1X1-16/12MM MD &	PULL 1X1-16/12MM MICRODUCT IN NON PIPE BORE DUAL PLACEMENT	FT	
37	BPV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	PULL 1X1-16/12MM MICRODUCT IN NON PIPE BORE	FT	
38	BPV(16/12MM)(7X1)T	TNCH 7X1-16/12MM MD	TRENCH 7X1-16/12MM MICRODUCT BUNDLE	FT	
39	BPV(16/12MM)(7X1)	FLOW 7X1 - 16/12MM MD	FLOW 7X1-16/12MM MICRODUCT BUNDLE	FT	
40	BPV(16/12MM)(7X1)IE	PULL 7X1 - 16/12MM MD	PULL 7X1-16/12MM MICRODUCT BUNDLE	FT	
41	BPVC(7MM)	PL HEX COUP 7MM	PLACE HEXATRONIC DUCT COUPLER-7MM MICRODUCT	EA	
42	BPVC(16MM)	PL HEX COUP 16MM	PLACE HEXATRONIC DUCT COUPLER-16MM MICRODUCT	EA	
51	UO12MF	PULL 12 MF	PULL 12 MICROFIBER IN DUCT	FT	
52	UO48MF	PULL 48 MF	PULL 48 MICROFIBER IN DUCT	FT	
53	UO12MF-COIL	PL 12 MF COIL	PLACE 12 MICROFIBER COIL	FT	
53	UO24MF	PULL 24 MF	PULL 24 MICROFIBER IN DUCT	FT	
54	UO24MF-COIL	PL 24 MF COIL	PLACE 24 MICROFIBER COIL	FT	
55	UO48MF-COIL	PL 48 MF COIL	PLACE 48 MICROFIBER COIL	FT	
56	UO144MF	PULL 144 MF	PULL 144 MICROFIBER IN DUCT	FT	
57	UO144MF-COIL	PL 144 MF COIL	PLACE 144 MICROFIBER COIL	FT	
81	BM2(S/8/3)	PL GRND ROD	GROUND ROD	EA	
82	BM03LB	PL LOC BALL	PL ELECTRONIC LOCATE BALL	EA	
83	BM75-DAP-SD	PL DAP-SD	PLACE DUCT ACCESS POINT BRANCH-EXCAVATION ONLY FOR COUPLERS	EA	
84	BM75-DAP	PL DAP	PLACE DUCT ACCESS POINT-EXCAVATION ONLY FOR COUPLERS	EA	
85	BM03(6)P	PL FBR WARN MARK	BURIED FIBER WARNING MARKER	EA	
86	BM03(6)PL	PL FBR WARN MARK - LOC	BURIED FIBER WARNING MARKER - LOCATEABLE	EA	
87	BM73P	PL FLOW PILL	PLACE FLOW PILL	FT	
98	R1-10	CLEAR 10' ROW	CLEAR ROW 10' WIDE	FT	
99	R1-10G	CLEAR & GRUB 10' ROW	CLEAR & GRUB ROW 10' WIDE	FT	
101	MO1	PL FUS SPlice	FUSION SPlice	EA	
102	HO8	OTDR FIBER TEST	OTDR FIBER TEST	EA	
104	HUSQ(11.5X30)	PL SPlice CASE	SPlice CASE	EA	
106	HO8	OTDR FIBER TESTING	OTDR FIBER TESTING	EA	
111	BHP(30X48X36)	PL HH	HAND HOLE 30"X48"X30"	EA	
112	BHP-TS	PL TOBY BOX	PLACE HEXATRONIC TOBY BOX SUBSCRIBER ACCESS CHAMBER	EA	
113	BDO5	PL PED	PLACE 10" PED	EA	
141	FOH(48)	PL FBR DIST HUB 48	FIBER DISTRIBUTION HUB 48 PORT	EA	
151	BDO204	PL PED/TERM	PLACE COMBO PED/TERM	EA	
241	WUD	EXPOSE DUCT	LOCATE AND EXPOSE EXISTING DUCT BUNDLE	EA	
242	WBOSO	RE-ENTER FSAI	RE-ENTER FSAI	EA	
243	WBOD	RE-ENTER PED	RE-ENTER PEDESTAL	EA	
244	WBHP	RE-ENTER HH	RE-ENTER HANDHOLE	EA	

Key #	Description
1-10	BORE CODES
11-50	CONDUIT AND COUPLER CODES
51-80	FIBER CABLE CODES
81-100	MISCELLANEOUS CODES &M, ETC
101-110	SPLICE CODES
111-130	HANDHOLES AND STRUCTURES
141-150	FSAI AND CABINETS
151-230	TERMINALS
231-240	ADDERS, ROCK ETC
241-250	REARRANGE EXISTING(W)

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

Map:
2 of 301

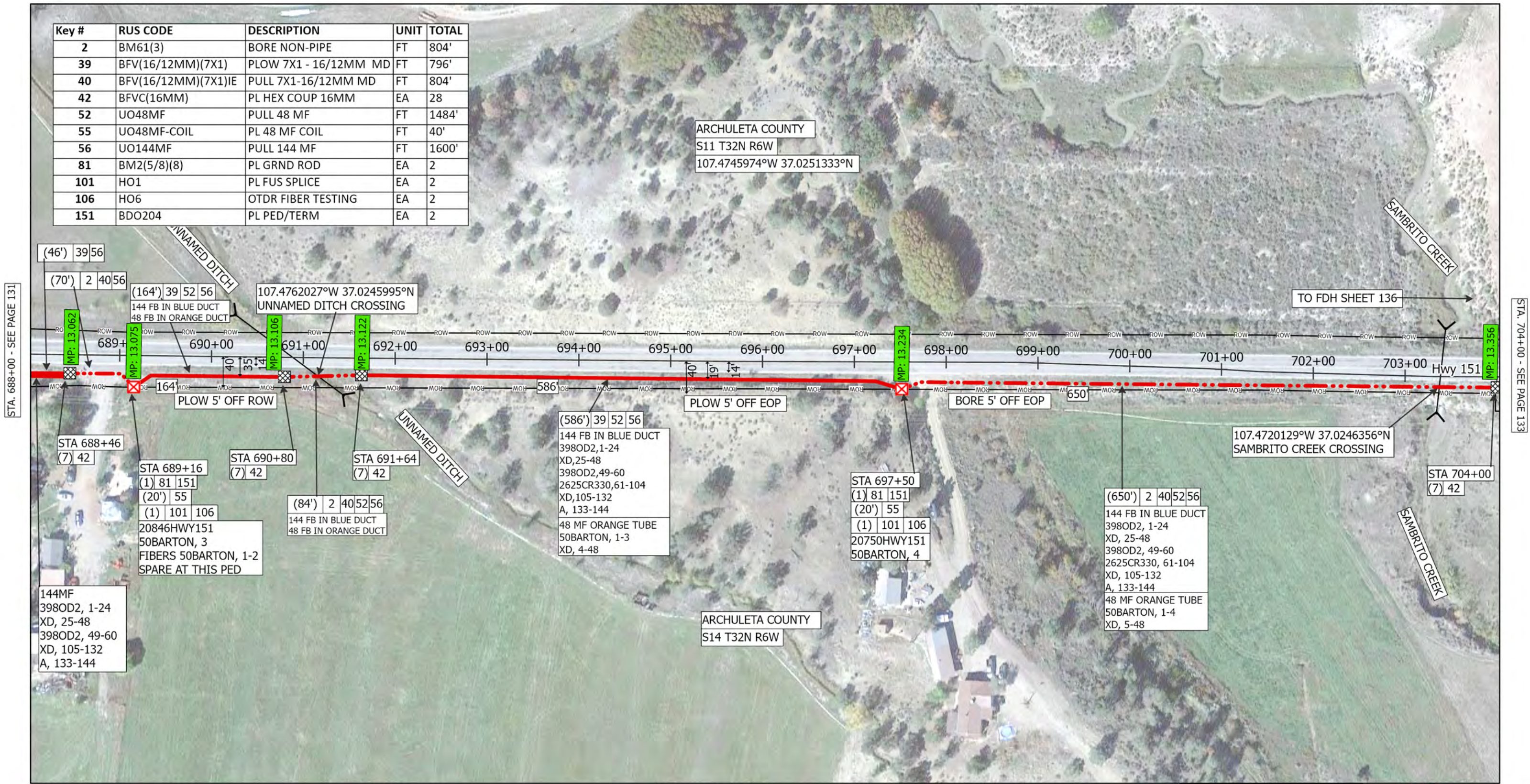
NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 8/30/2021
DATE REVISED:



Key #	RUS CODE	DESCRIPTION	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	804'
39	BFV(16/12MM)(7X1)	PLOW 7X1 - 16/12MM MD	FT	796'
40	BFV(16/12MM)(7X1)IE	PULL 7X1-16/12MM MD	FT	804'
42	BFVC(16MM)	PL HEX COUP 16MM	EA	28
52	UO48MF	PULL 48 MF	FT	1484'
55	UO48MF-COIL	PL 48 MF COIL	FT	40'
56	UO144MF	PULL 144 MF	FT	1600'
81	BM2(5/8)(8)	PL GRND ROD	EA	2
101	HO1	PL FUS SPLICE	EA	2
106	HO6	OTDR FIBER TESTING	EA	2
151	BDO204	PL PED/TERM	EA	2



NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

Sheet 132 of 317

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DRAWN BY: BONFIRE
COMPANY: BONFIRE

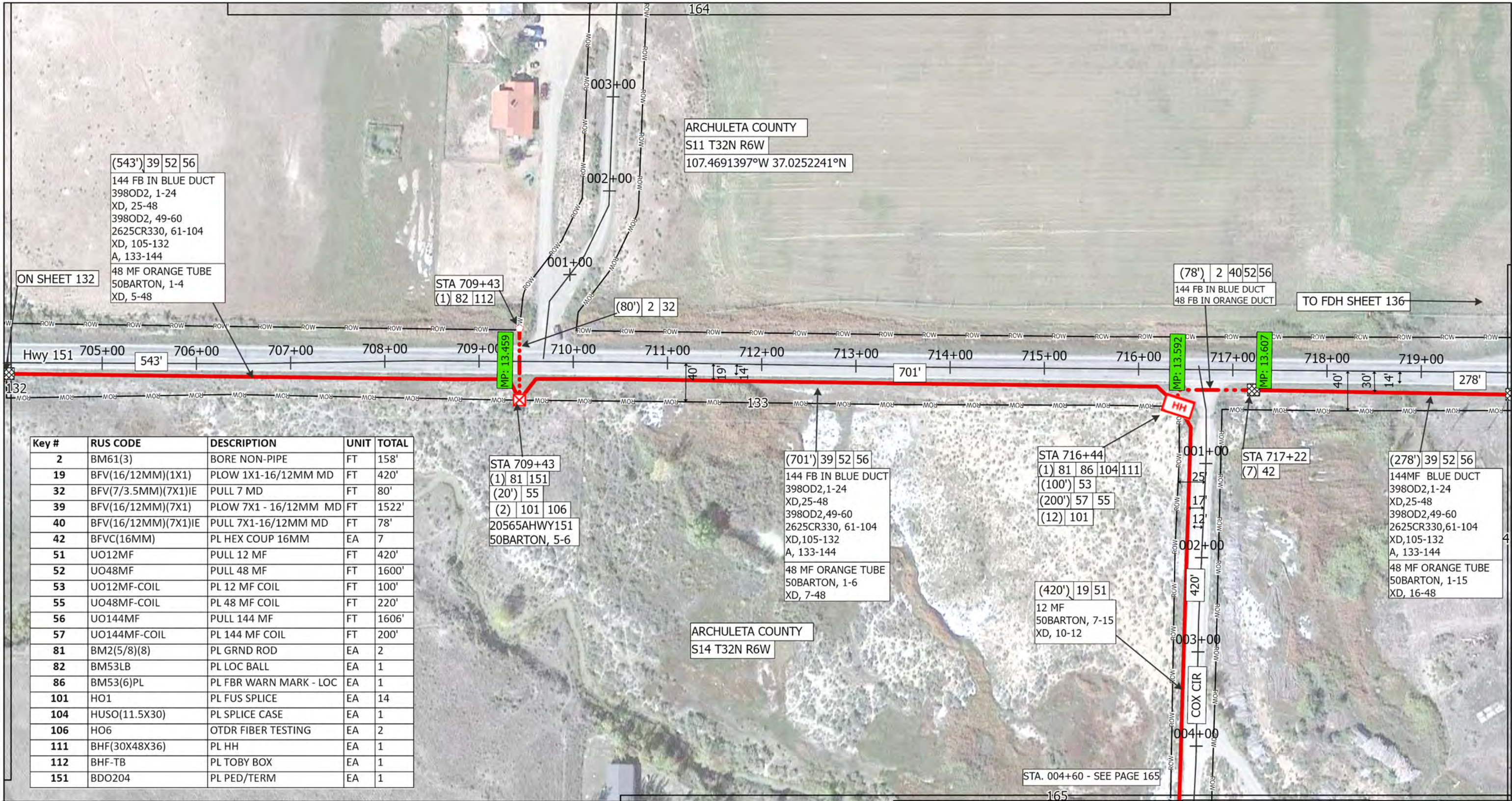
DATE CREATED: 8/30/2021
DATE REVISED:





STA. 704+00 - SEE PAGE 132

STA. 720+00 - SEE PAGE 134



NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

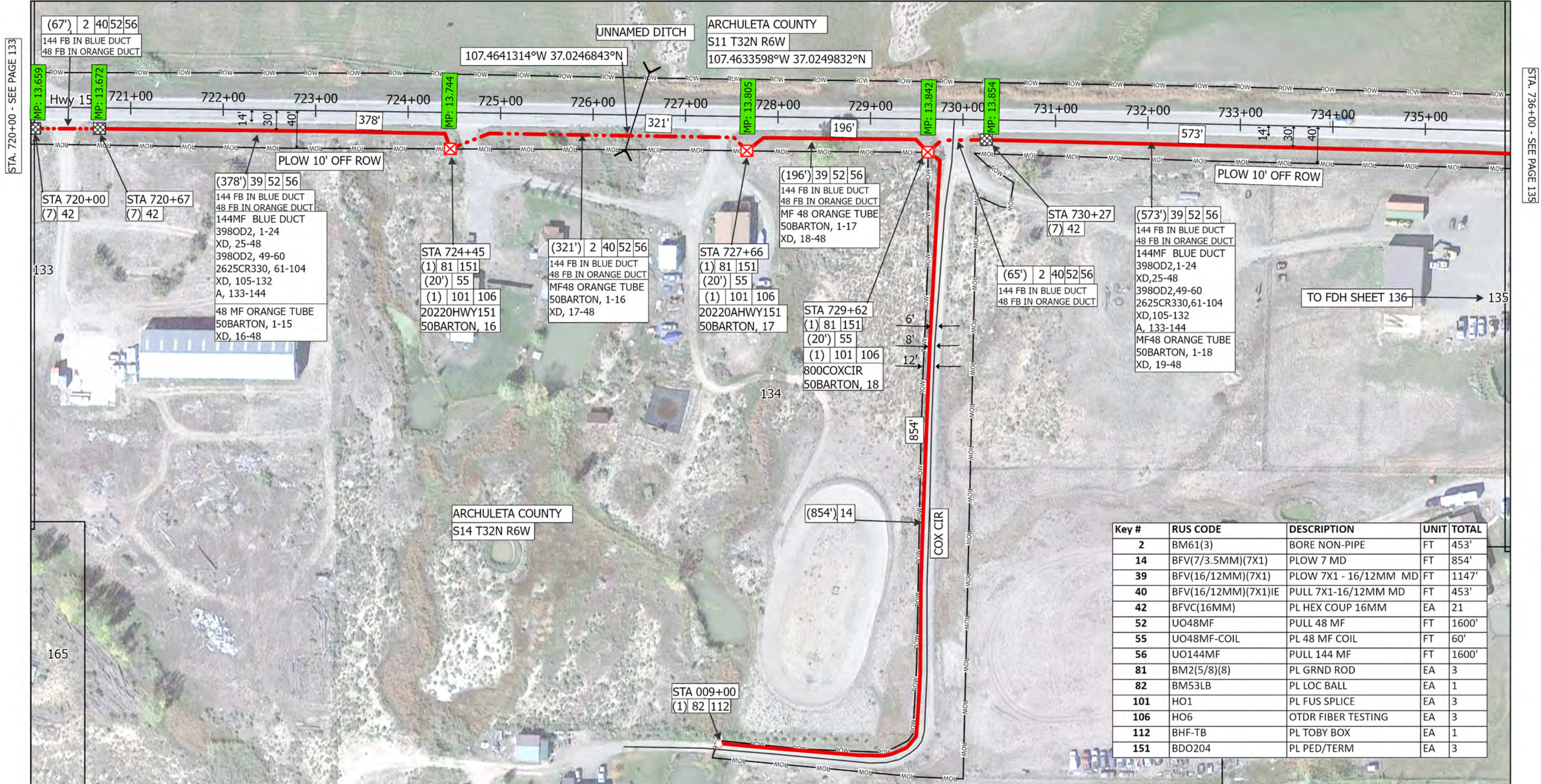
Sheet 133 of 317

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 8/30/2021
DATE REVISED:





STA. 720+00 - SEE PAGE 133

STA. 736+00 - SEE PAGE 135

Key #	RUS CODE	DESCRIPTION	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	453'
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	854'
39	BFV(16/12MM)(7X1)	PLOW 7X1 - 16/12MM MD	FT	1147'
40	BFV(16/12MM)(7X1)IE	PULL 7X1-16/12MM MD	FT	453'
42	BFVC(16MM)	PL HEX COUP 16MM	EA	21
52	UO48MF	PULL 48 MF	FT	1600'
55	UO48MF-COIL	PL 48 MF COIL	FT	60'
56	UO144MF	PULL 144 MF	FT	1600'
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53LB	PL LOC BALL	EA	1
101	HO1	PL FUS SPLICE	EA	3
106	HO6	OTDR FIBER TESTING	EA	3
112	BHF-TB	PL TOBY BOX	EA	1
151	BDO204	PL PED/TERM	EA	3

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

Sheet 134 of 317

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

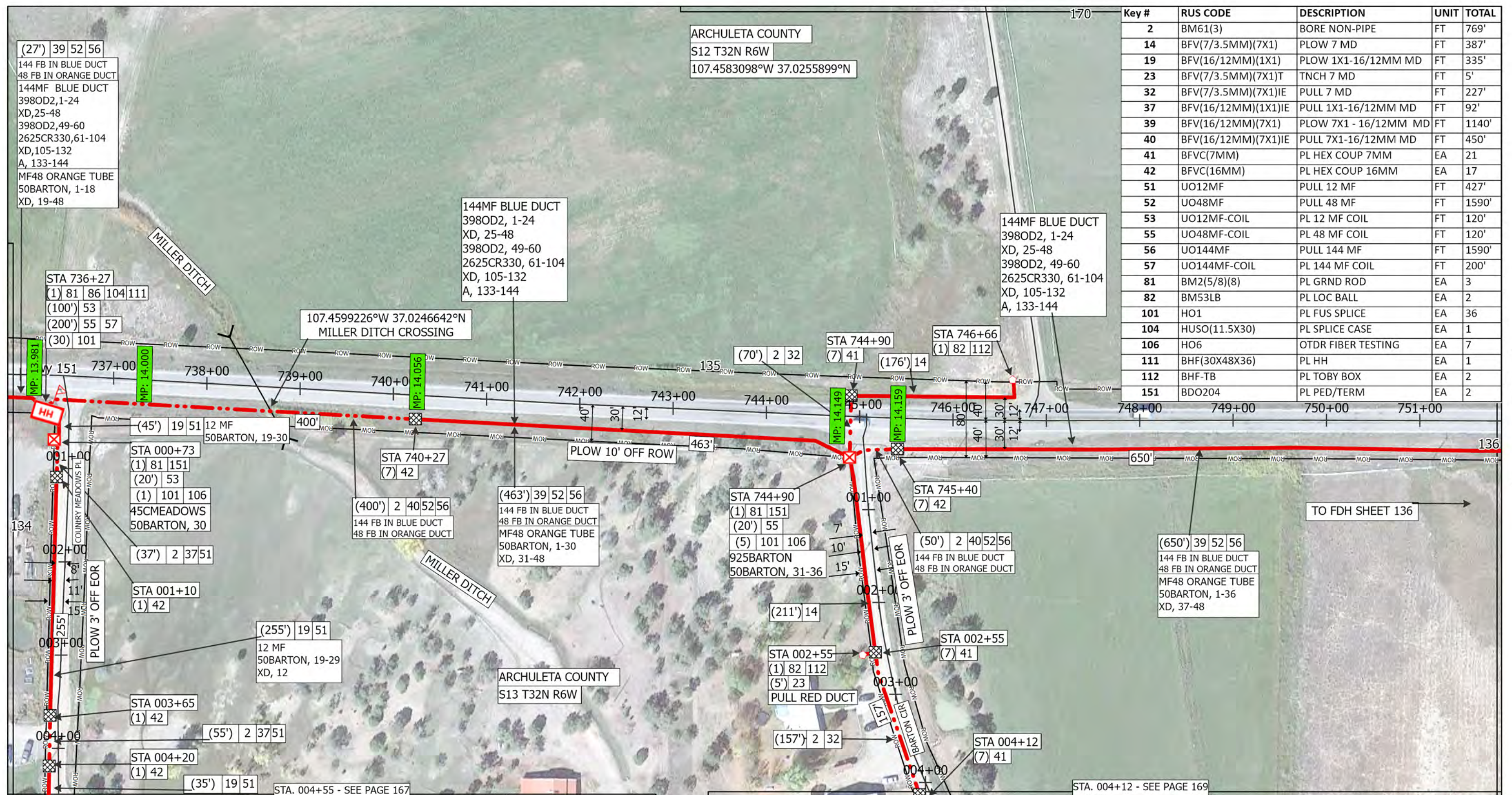
DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 8/30/2021
DATE REVISED:









NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

Sheet 135 of 317

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

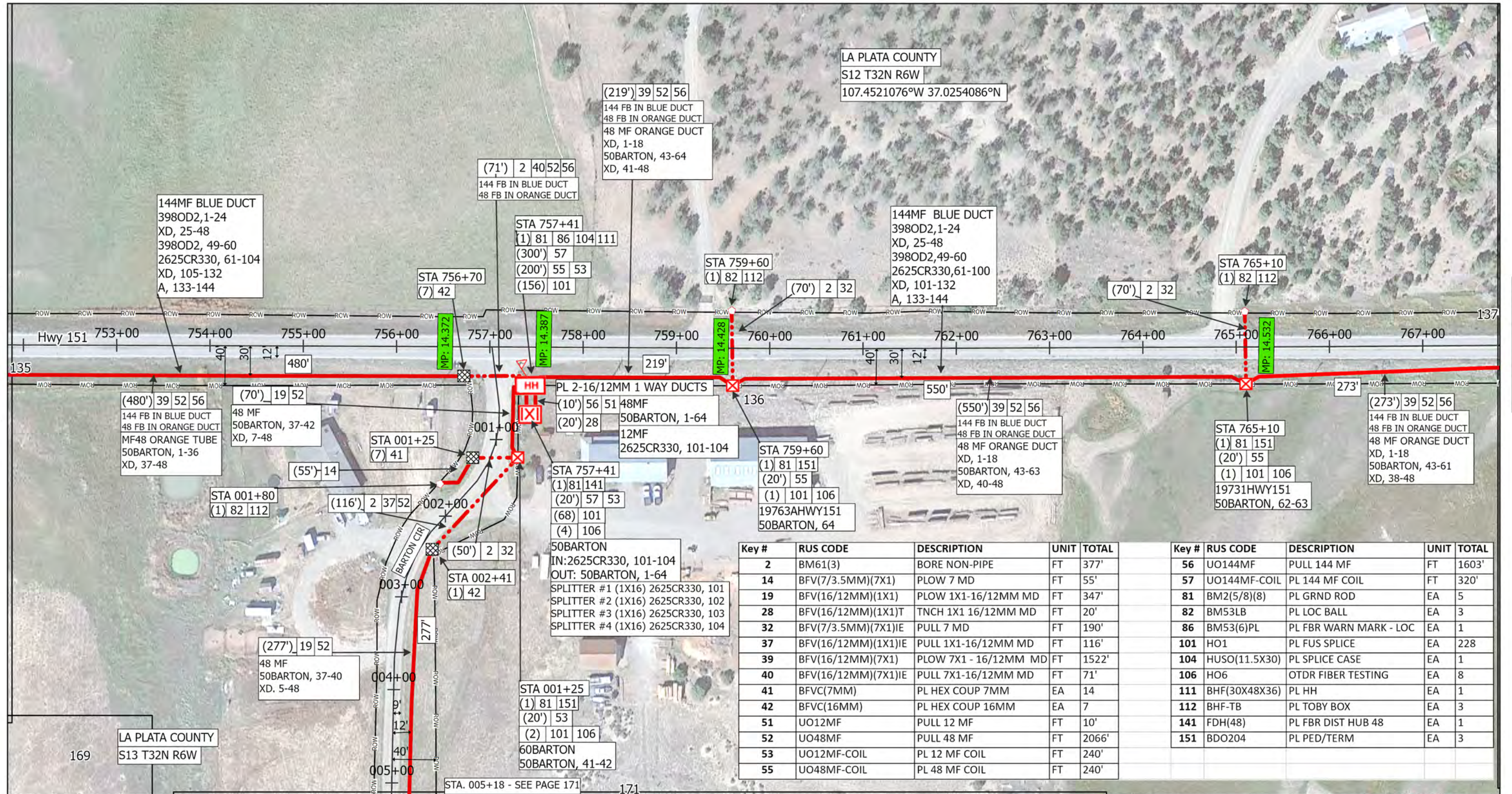
DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 8/30/2021
DATE REVISED:

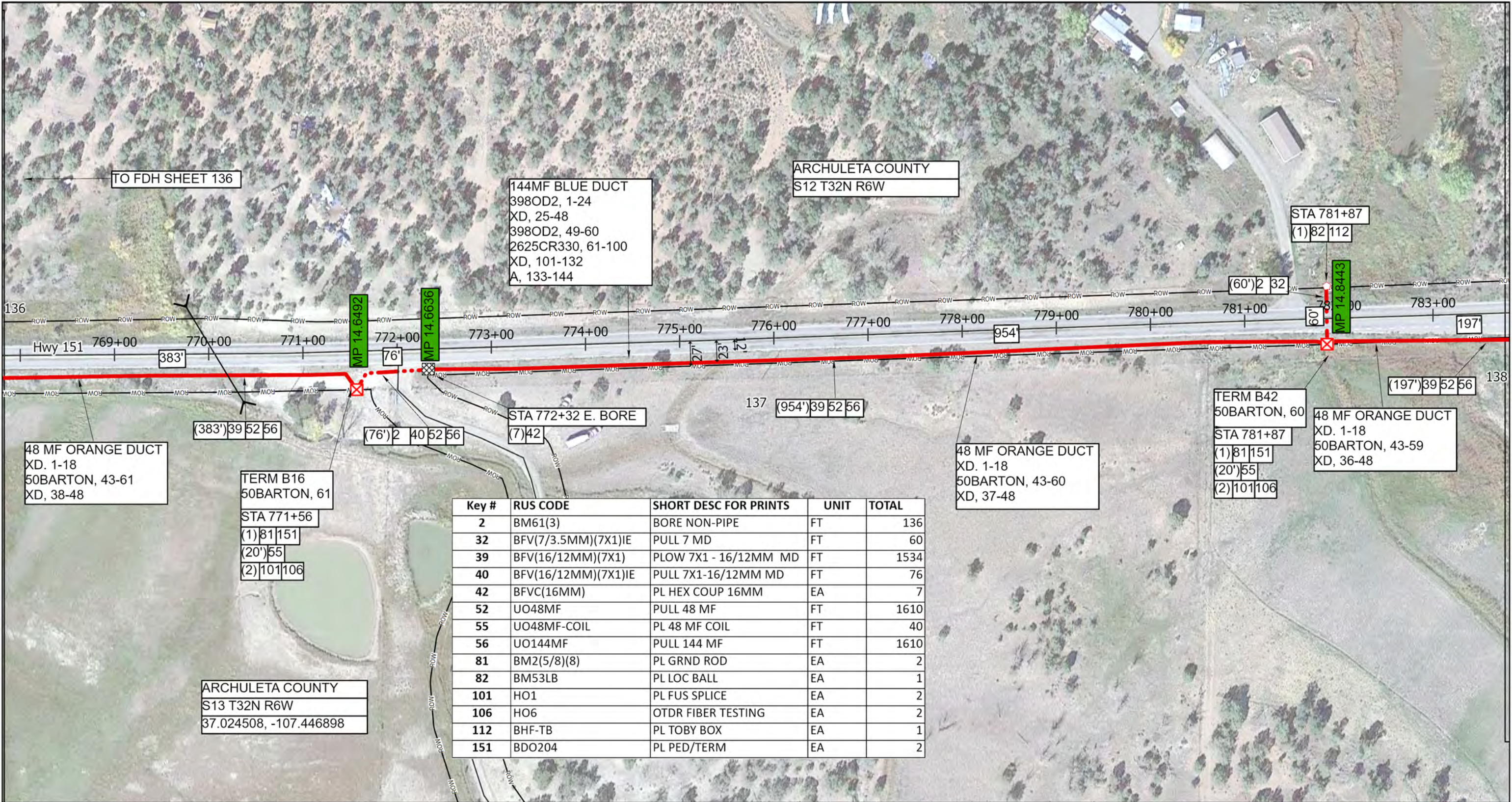
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US Feet



STA. 751+90 - SEE PAGE 135



STA. 767+80 - SEE PAGE 136



NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

Sheet 137 of 317

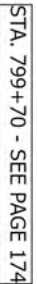
NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

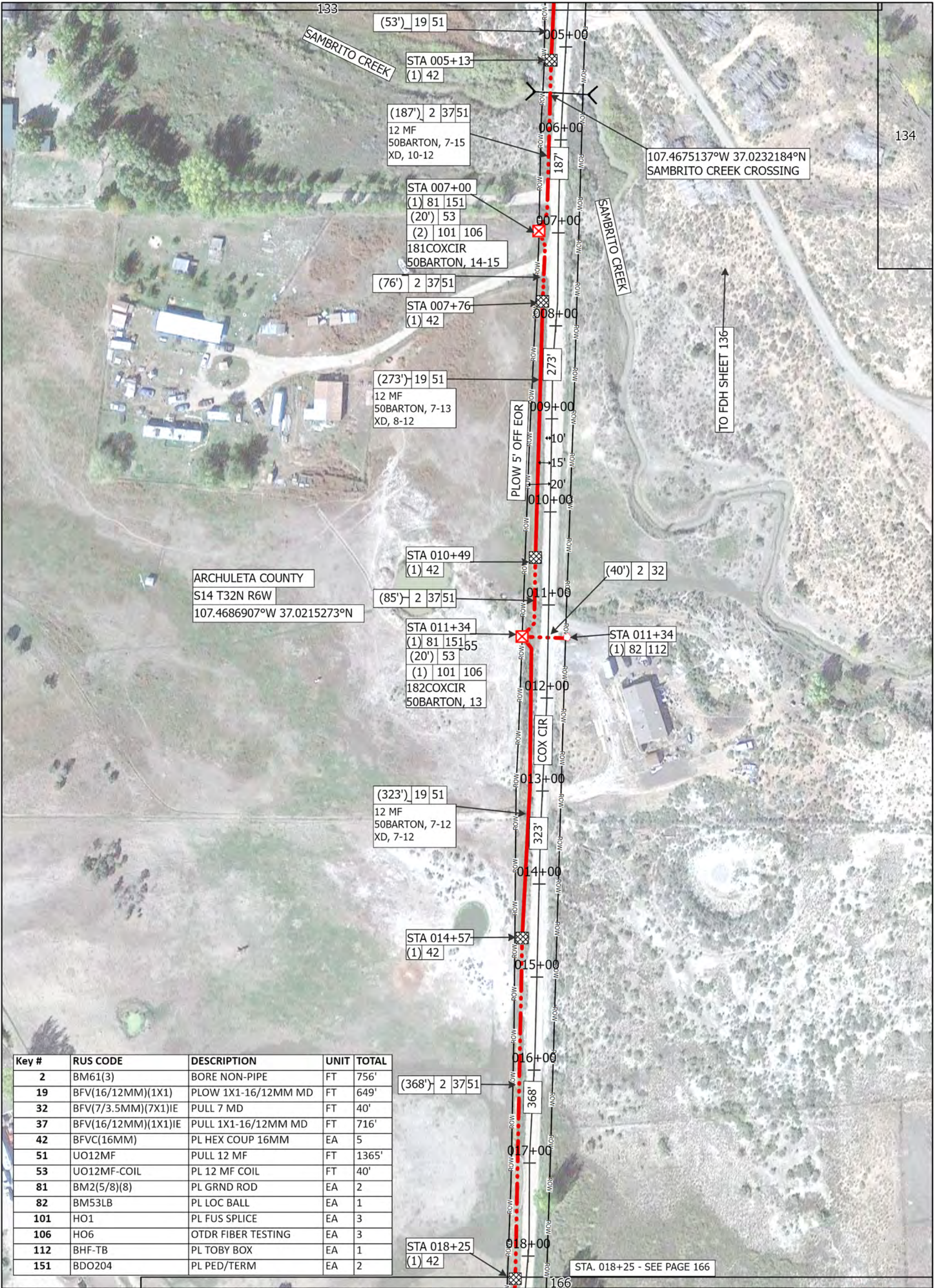
DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 8/30/2021
DATE REVISED:

0 50 100
US Feet








NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005




DATE CREATED: 8/30/2021

DATE REVISED:

DRAWN BY: BONFIRE

COMPANY: BONFIRE



Sheet 165 of 317

DESCRIPTION:
FINAL DESIGN

0 50 100
US Feet



N





Key #	RUS CODE	DESCRIPTION	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	215'
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	537'
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	123'
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	215'
41	BFVC(7MM)	PL HEX COUP 7MM	EA	7
51	UO12MF	PULL 12 MF	FT	690'
53	UO12MF-COIL	PL 12 MF COIL	FT	40'
81	BM2(5/8)(8)	PL GRND ROD	EA	2
82	BM53LB	PL LOC BALL	EA	2
101	HO1	PL FUS SPLICE	EA	6
106	HO6	OTDR FIBER TESTING	EA	6
112	BHF-TB	PL TOBY BOX	EA	2
151	BDO204	PL PED/TERM	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

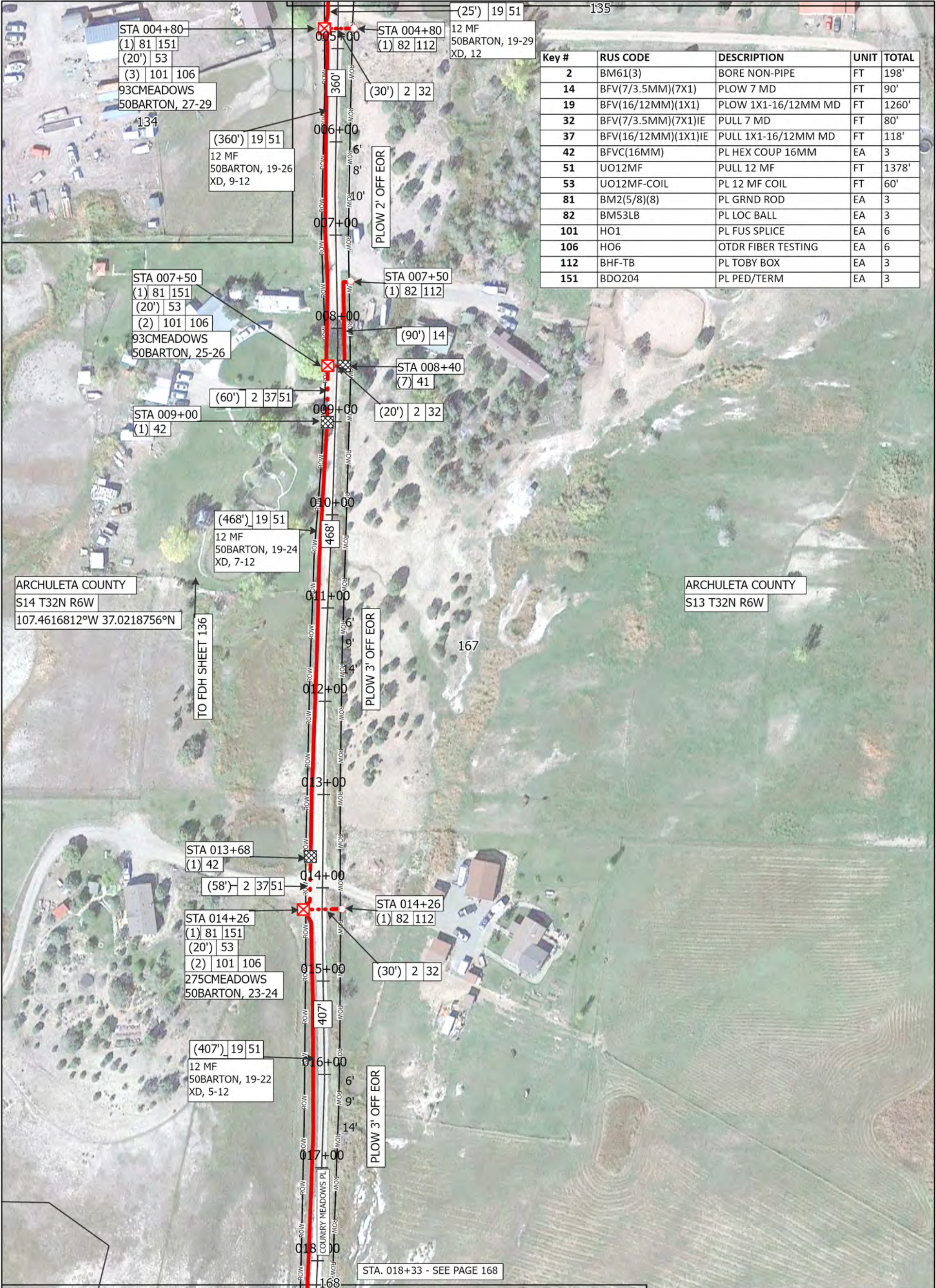
Sheet 166 of 317

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DRAWN BY: BONFIRE
COMPANY: BONFIRE

DATE CREATED: 8/30/2021
DATE REVISED:






Key #	RUS CODE	DESCRIPTION	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	198'
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	90'
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1260'
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	80'
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	118'
42	BFVC(16MM)	PL HEX COUP 16MM	EA	3
51	UO12MF	PULL 12 MF	FT	1378'
53	UO12MF-COIL	PL 12 MF COIL	FT	60'
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53LB	PL LOC BALL	EA	3
101	HO1	PL FUS SPLICE	EA	6
106	HO6	OTDR FIBER TESTING	EA	6
112	BHF-TB	PL TOBY BOX	EA	3
151	BDO204	PL PED/TERM	EA	3

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
720-507-9005




DATE CREATED: 8/30/2021

DATE REVISED:


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COMPANY: BONFIRE




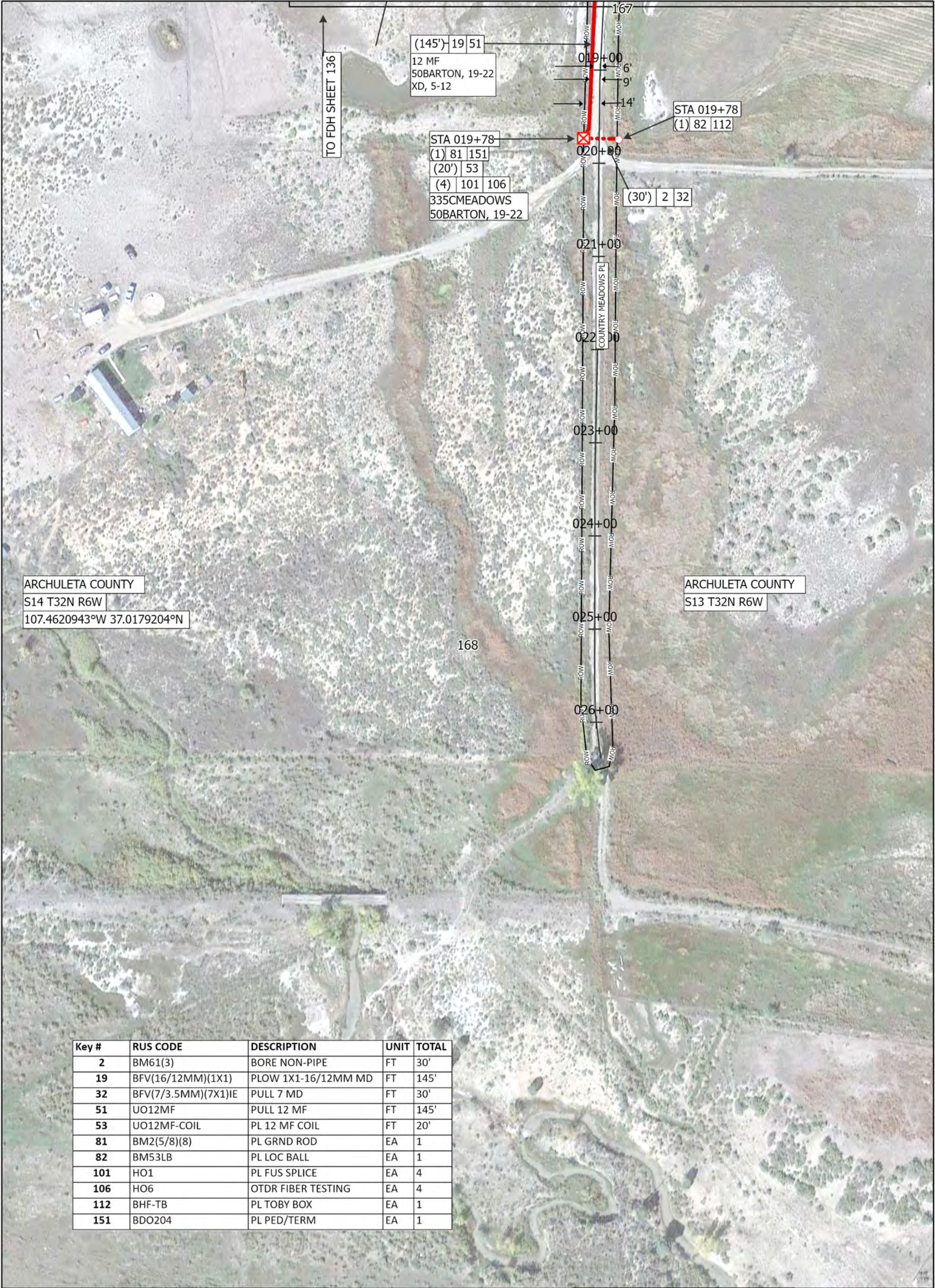
Sheet 167 of 317

DESCRIPTION:
FINAL DESIGN




0 50 100 US Feet







Key #	RUS CODE	DESCRIPTION	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	30'
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	145'
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	30'
51	UO12MF	PULL 12 MF	FT	145'
53	UO12MF-COIL	PL 12 MF COIL	FT	20'
81	BM2(5/8)(8)	PL GRND ROD	EA	1
82	BM53LB	PL LOC BALL	EA	1
101	HO1	PL FUS SPLICE	EA	4
106	HO6	OTDR FIBER TESTING	EA	4
112	BHF-TB	PL TOBY BOX	EA	1
151	BDO204	PL PED/TERM	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.







NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

DATE CREATED: 8/30/2021

Sheet 168 of 317

DATE REVISED:


DESCRIPTION:
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PHONE NUMBER:
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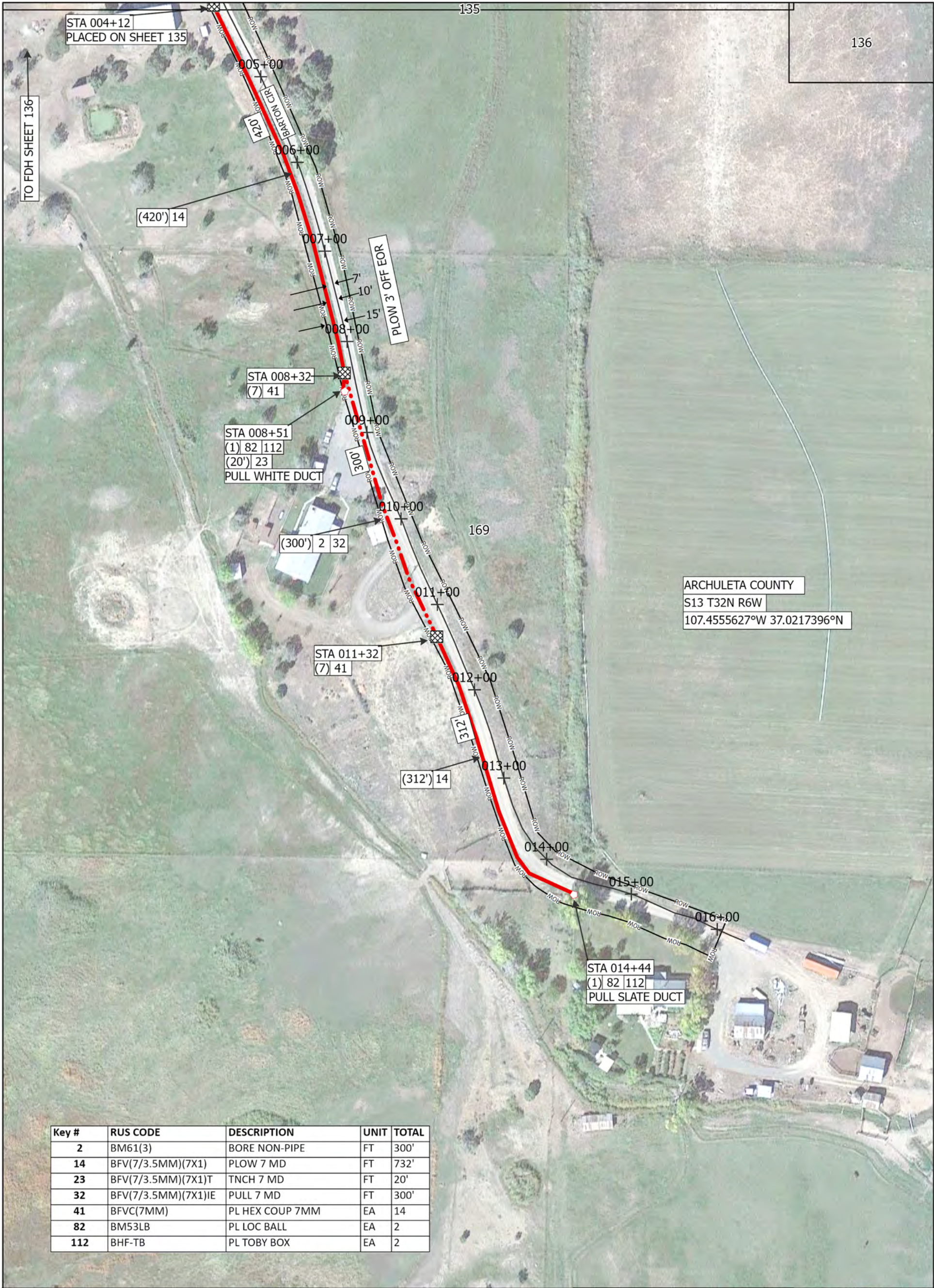
0 50 100



US Feet

N






Key #	RUS CODE	DESCRIPTION	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	300'
14	BFV(7/3.5MM)(7X1)	PLOW 7 MD	FT	732'
23	BFV(7/3.5MM)(7X1)T	TNCH 7 MD	FT	20'
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	300'
41	BFVC(7MM)	PL HEX COUP 7MM	EA	14
82	BM53LB	PL LOC BALL	EA	2
112	BHF-TB	PL TOBY BOX	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
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DATE CREATED: 8/30/2021

DATE REVISED:

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DESCRIPTION:
FINAL DESIGN

050100

US Feet



N



FOR REFERENCE ONLY

170


SEE PAGE 135

135

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
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DATE CREATED: 8/30/2021

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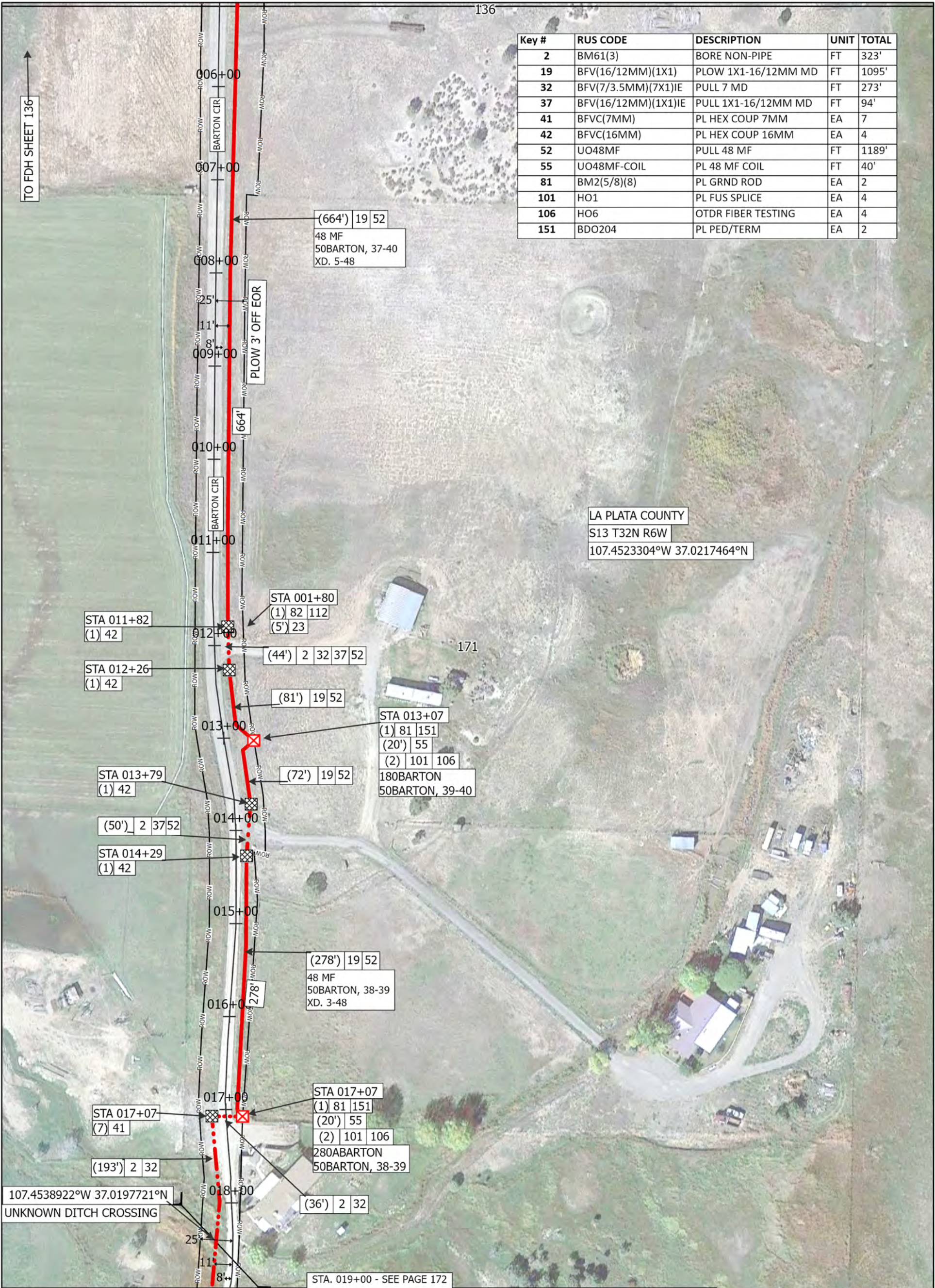
Sheet 170 of 317

DESCRIPTION:
FINAL DESIGN

0 50 100 US Feet








Key #	RUS CODE	DESCRIPTION	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	323'
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	1095'
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	273'
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	94'
41	BFVC(7MM)	PL HEX COUP 7MM	EA	7
42	BFVC(16MM)	PL HEX COUP 16MM	EA	4
52	UO48MF	PULL 48 MF	FT	1189'
55	UO48MF-COIL	PL 48 MF COIL	FT	40'
81	BM2(5/8)(8)	PL GRND ROD	EA	2
101	HO1	PL FUS SPLICE	EA	4
106	HO6	OTDR FIBER TESTING	EA	4
151	BDO204	PL PED/TERM	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
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CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

PHONE NUMBER:
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DATE CREATED: 8/30/2021

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COMPANY: BONFIRE




Sheet 171 of 317

DESCRIPTION:
FINAL DESIGN



0 50 100 US Feet






NOTE:
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THE CABLE.

NOTE:
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Sheet 172 of 317

DESCRIPTION:
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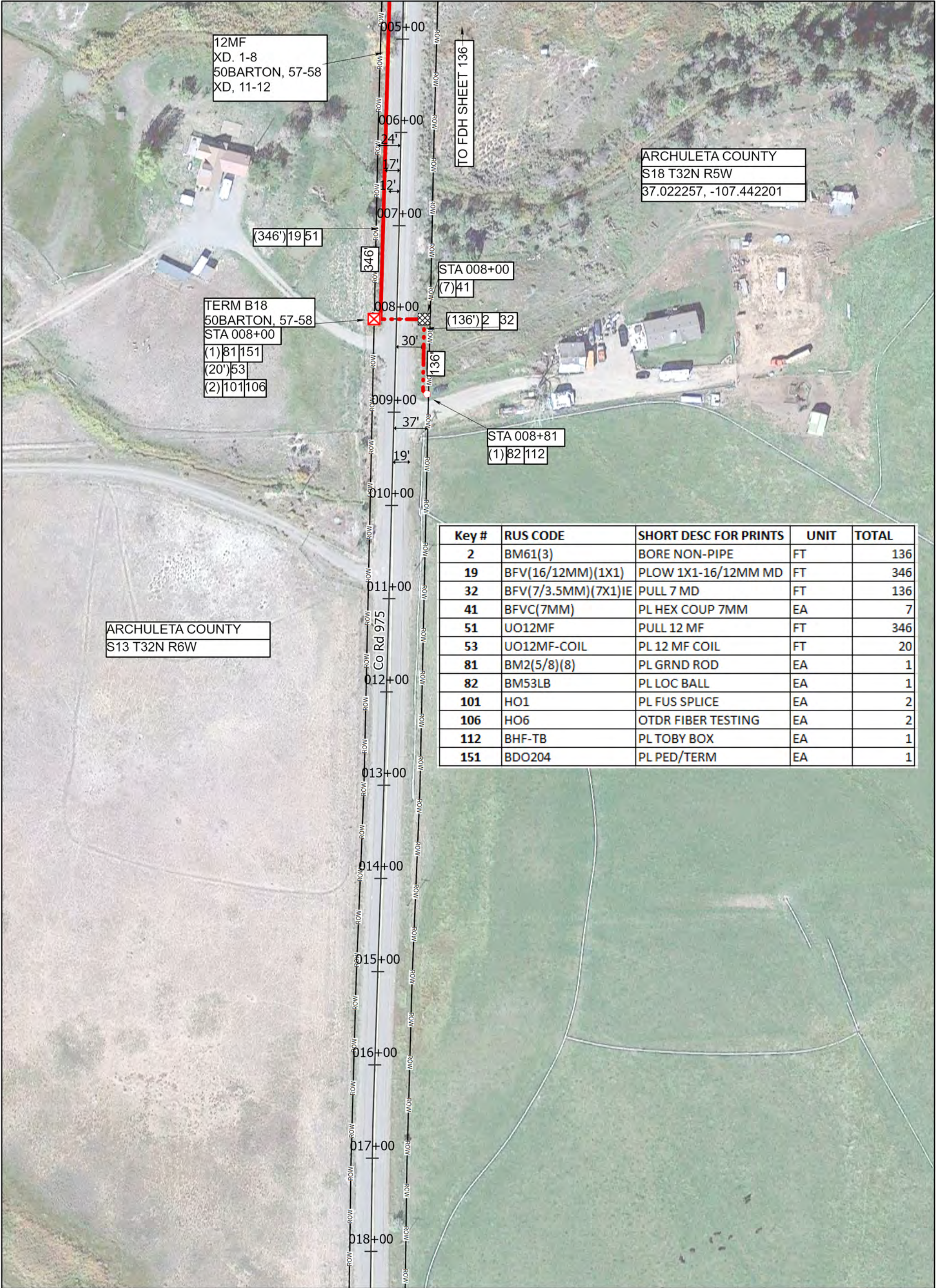
0 50 100

US Feet



N






NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.

NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
CALL FOR LOCATES TO DETERMINE EXACT LOCATION.

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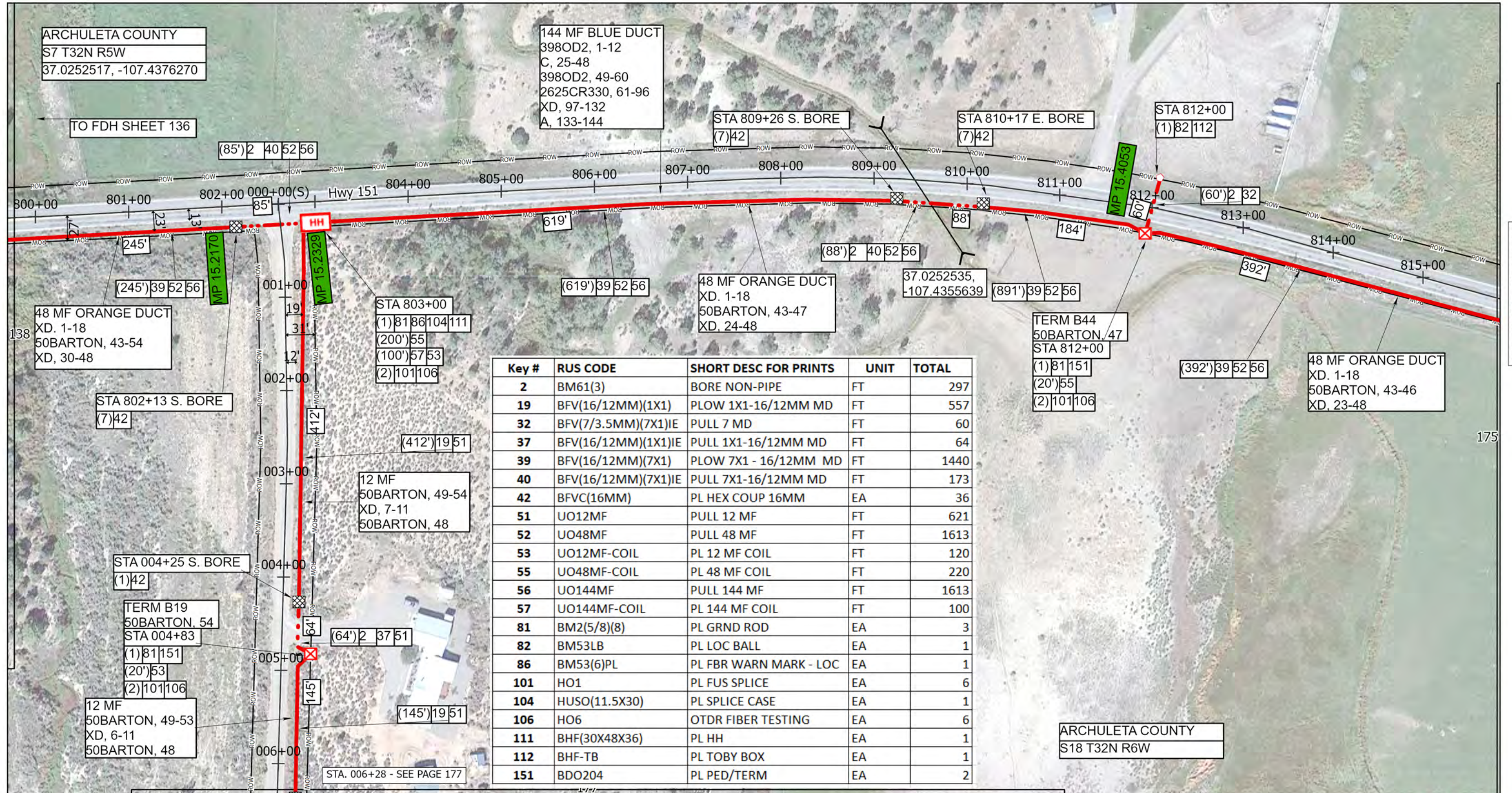


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DESCRIPTION:
FINAL DESIGN



STA. 799+70 - SEE PAGE 138



STA. 815+82 - SEE PAGE 175

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

SHEET 174 OF 316

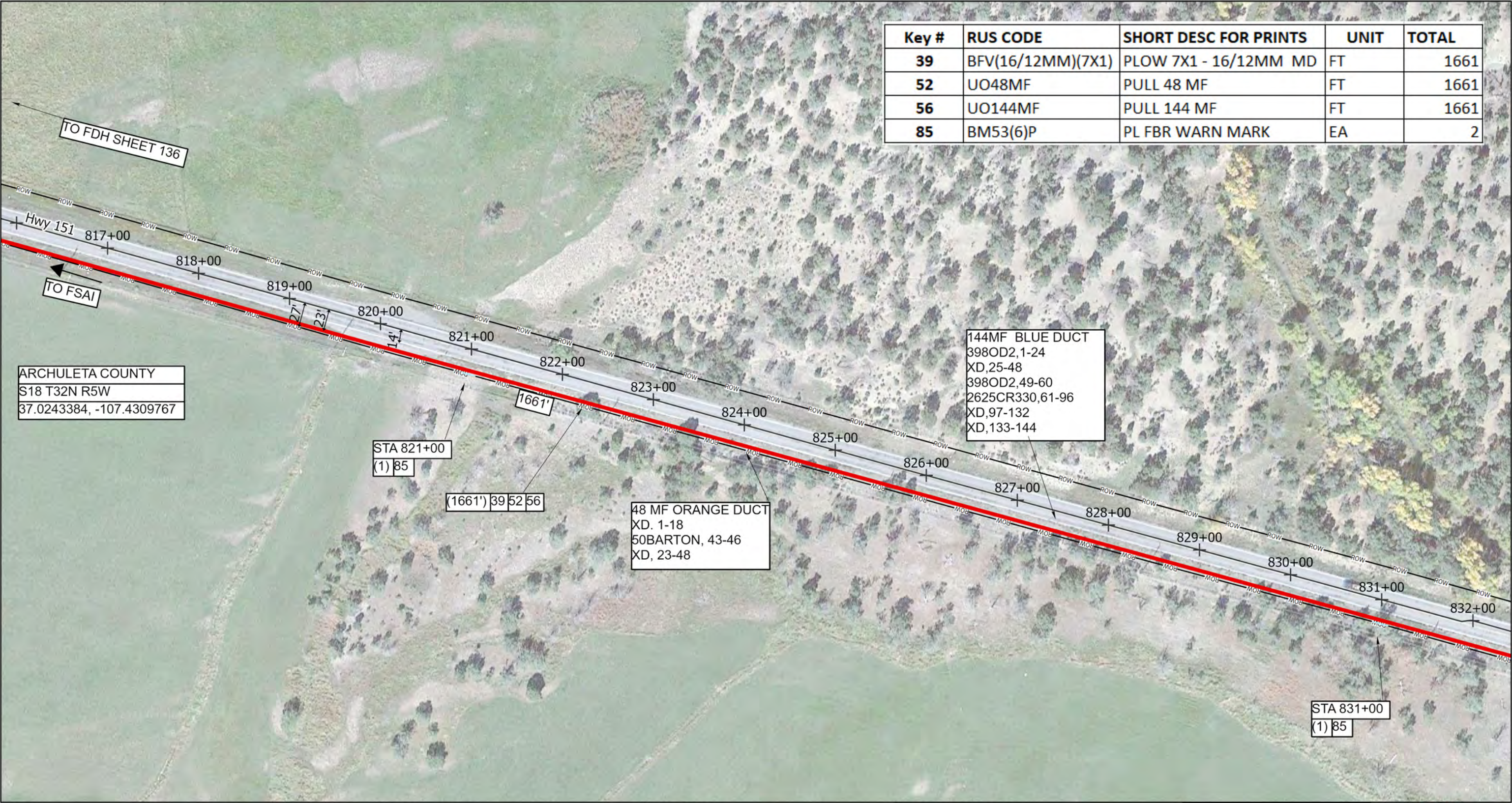
NOTE:
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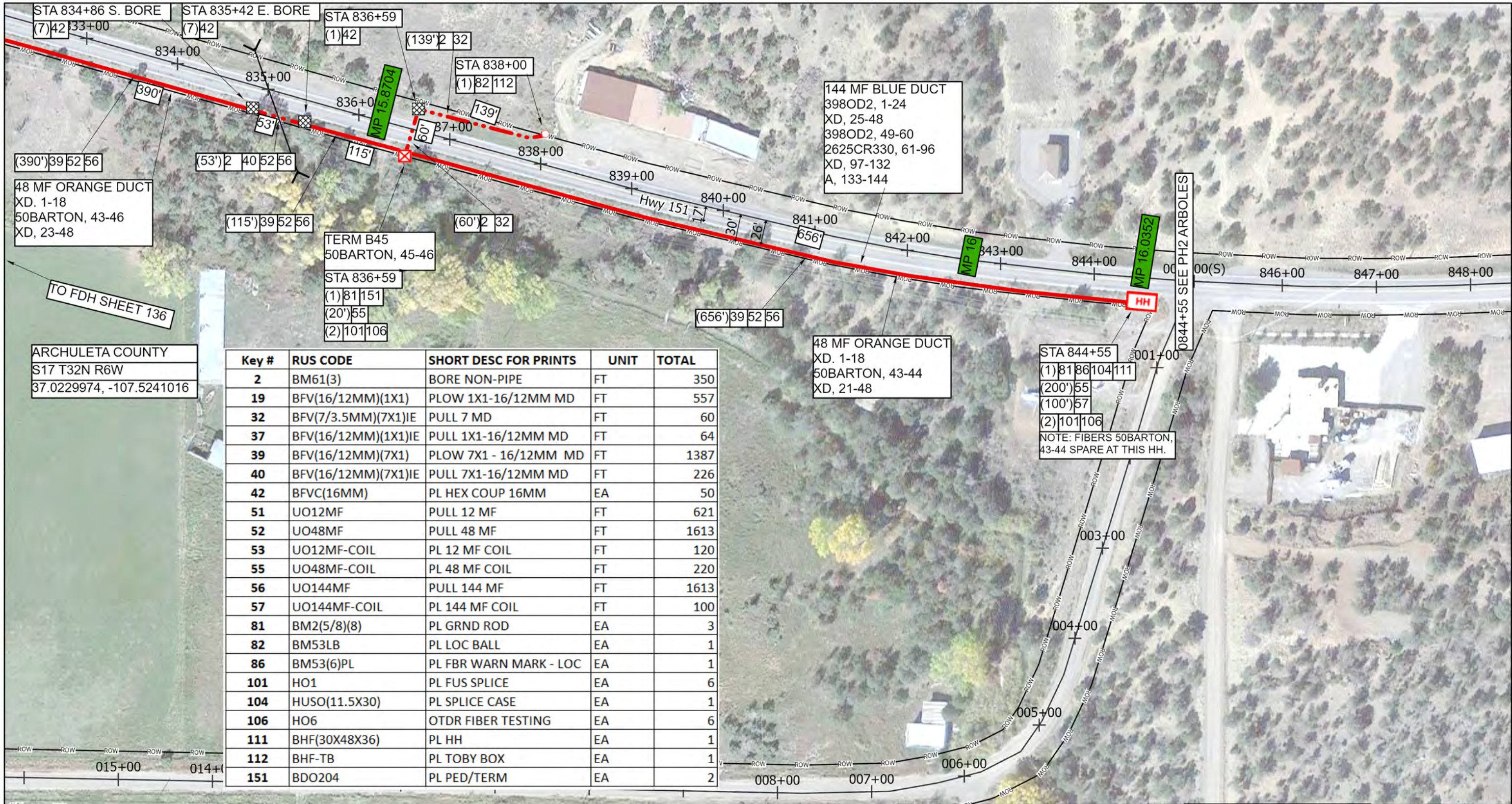


STA. 815+82 - SEE PAGE 174



STA. 832+42 - SEE PAGE 176

NOTE: PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE CABLE.	PHONE NUMBER: 720-507-9005	DESCRIPTION: FINAL DESIGN	Sheet 175 of 317				
NOTE: ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. CALL FOR LOCATES TO DETERMINE EXACT LOCATION.	DRAWN BY: BONFIRE COMPANY: BONFIRE	DATE CREATED: 8/30/2021 DATE REVISED:					



(390')39 52 56
48 MF ORANGE DUCT
XD. 1-18
50BARTON, 43-46
XD, 23-48

144 MF BLUE DUCT
398OD2, 1-24
XD, 25-48
398OD2, 49-60
2625CR330, 61-96
XD, 97-132
A, 133-144

48 MF ORANGE DUCT
XD. 1-18
50BARTON, 43-44
XD, 21-48

STA 844+55
(1)81 86 104 111
(200')55
(100')57
(2)101 106
NOTE: FIBERS 50BARTON,
43-44 SPARE AT THIS HH.

ARCHULETA COUNTY
S17 T32N R6W
37.0229974, -107.5241016

Key #	RUS CODE	SHORT DESC FOR PRINTS	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	350
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	557
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	60
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	64
39	BFV(16/12MM)(7X1)	PLOW 7X1 - 16/12MM MD	FT	1387
40	BFV(16/12MM)(7X1)IE	PULL 7X1-16/12MM MD	FT	226
42	BFVC(16MM)	PL HEX COUP 16MM	EA	50
51	UO12MF	PULL 12 MF	FT	621
52	UO48MF	PULL 48 MF	FT	1613
53	UO12MF-COIL	PL 12 MF COIL	FT	120
55	UO48MF-COIL	PL 48 MF COIL	FT	220
56	UO144MF	PULL 144 MF	FT	1613
57	UO144MF-COIL	PL 144 MF COIL	FT	100
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53LB	PL LOC BALL	EA	1
86	BM53(6)PL	PL FBR WARN MARK - LOC	EA	1
101	HO1	PL FUS SPLICE	EA	6
104	HUSO(11.5X30)	PL SPLICE CASE	EA	1
106	HO6	OTDR FIBER TESTING	EA	6
111	BHF(30X48X36)	PL HH	EA	1
112	BHF-TB	PL TOBY BOX	EA	1
151	BDO204	PL PED/TERM	EA	2

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE THE
CABLE.

PHONE NUMBER:
720-507-9005

DESCRIPTION:
FINAL DESIGN

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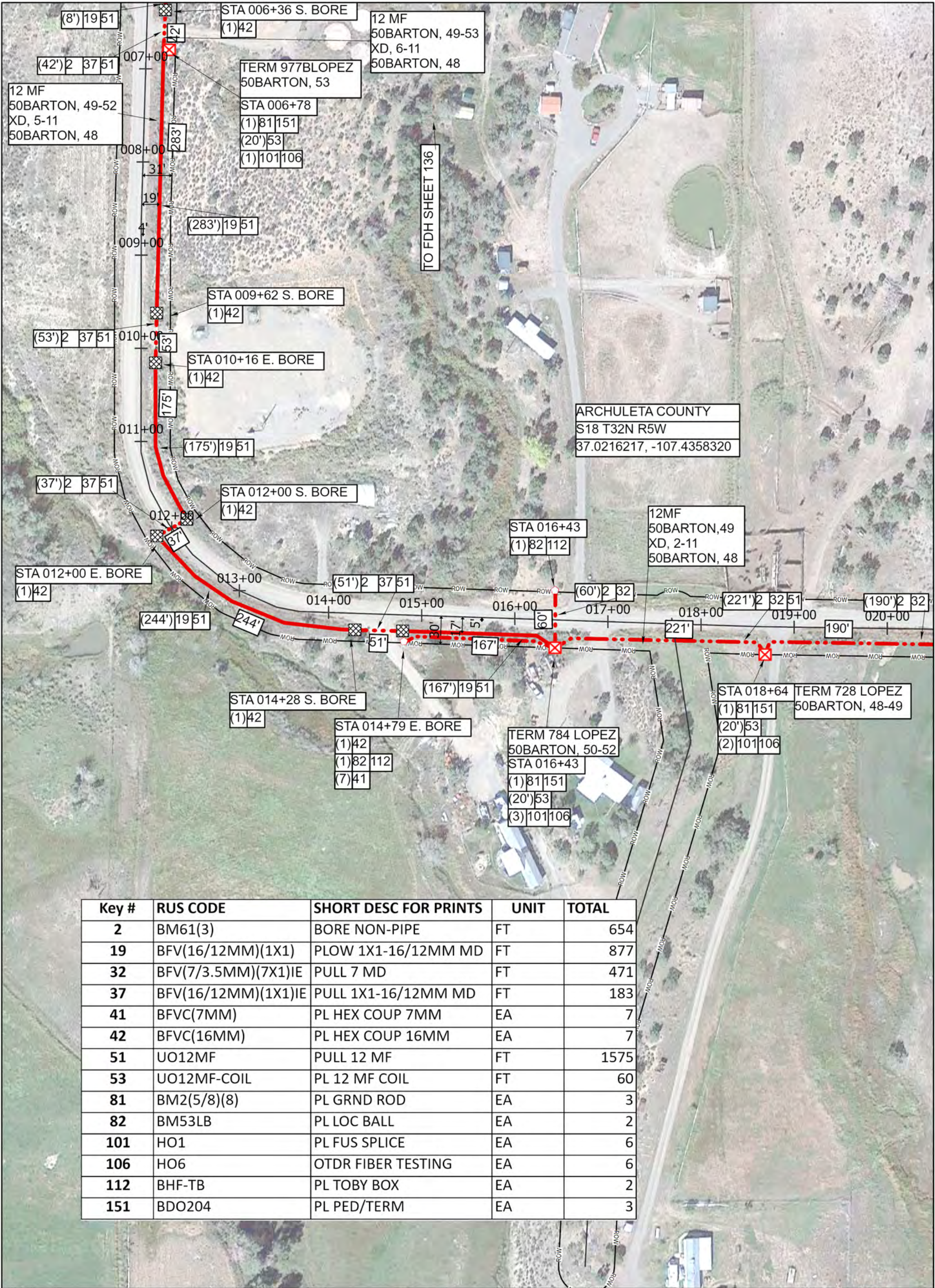
NOTE:
ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
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STA. 020+49 - SEE PAGE 316

Key #	RUS CODE	SHORT DESC FOR PRINTS	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	654
19	BFV(16/12MM)(1X1)	PLOW 1X1-16/12MM MD	FT	877
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	471
37	BFV(16/12MM)(1X1)IE	PULL 1X1-16/12MM MD	FT	183
41	BFVC(7MM)	PL HEX COUP 7MM	EA	7
42	BFVC(16MM)	PL HEX COUP 16MM	EA	7
51	UO12MF	PULL 12 MF	FT	1575
53	UO12MF-COIL	PL 12 MF COIL	FT	60
81	BM2(5/8)(8)	PL GRND ROD	EA	3
82	BM53LB	PL LOC BALL	EA	2
101	HO1	PL FUS SPLICE	EA	6
106	HO6	OTDR FIBER TESTING	EA	6
112	BHF-TB	PL TOBY BOX	EA	2
151	BDO204	PL PED/TERM	EA	3

NOTE:
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NOTE:
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DATE CREATED: 8/30/2021

Sheet 177 of 317


PHONE NUMBER:
720-507-9005

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STA. 020+49 - SEE PAGE 177



Key #	RUS CODE	SHORT DESC FOR PRINTS	UNIT	TOTAL
2	BM61(3)	BORE NON-PIPE	FT	323
32	BFV(7/3.5MM)(7X1)IE	PULL 7 MD	FT	323
82	BM53LB	PL LOC BALL	EA	1
112	BHF-TB	PL TOBY BOX	EA	1

NOTE:
PLACE CAUTION WARNING RIBBON 1 FOOT ABOVE
THE CABLE.

NOTE:
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PHONE NUMBER:
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Sheet 316 of 317

DESCRIPTION:
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