

**ADDENDUM NO. 1**

**Project:** 22-006-FIB – Malden/Pine City FTTH  
**Bid Date:** 7/26/2022  
**Bid Due Date:** 8/23/2022 by 2:00 P.M. PST

**NOTICE TO ALL BIDDERS:**

The bid due date for this project has been extended to **August 23, 2022 by 2:00 P.M. PST.**

*This Addendum and all attachments are hereby made a part of the Invitation to Bid for the above-named project. Bidders shall consider this Addendum when preparing and submitting their bids. Bidders shall acknowledge receipt of this Addendum No. 1 in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification of its bid. All other requirements of the Invitation to Bid and its attachments remain in effect.*

**ADDENDUM NO. 2**

**Project:** 22-006-FIB – Malden/Pine City FTTH  
**Bid Date:** 7/26/2022  
**Bid Due Date:** 8/23/2022 by 2:00 P.M. PST

**NOTICE TO ALL BIDDERS:**

1. The project completion date has been extended to **5/31/2023 (May 31<sup>st</sup>, 2023)**. This change in completion date is due to several factors including:
  - a. It has been determined that the Department of Archaeology and Historic Preservation (DAHP) is likely to require a survey of the build location that will need to be completed before any ground disturbances take place. The survey may take 8-10 weeks and would delay the start of construction.
  - b. In Whitman County all utility installation projects in the County right-of-way are subject to Winter Shutdown on November 1st.

*This Addendum and all attachments are hereby made a part of the Invitation to Bid for the above-named project. Bidders shall consider this Addendum when preparing and submitting their bids. Bidders shall acknowledge receipt of this Addendum No. 2 in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification of its bid. All other requirements of the Invitation to Bid and its attachments remain in effect.*

PORT OF WHITMAN COUNTY  
QUESTION & ANSWER

**Project:** 22-006-FIB – Malden/Pine City FTTH  
**Bid Date:** 7/26/2022  
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1. Should there be separate pricing for private plow/drilling vs in the Right-of-Way?
  - a. No differentiation for this project.
2. Is the make-ready work on Squaw Rd already done?
  - a. No Avista make-ready was needed in this area.
3. What is the total number of drops designed?
  - a. 72 drops in total on the design.
4. Is the contractor providing risers?
  - a. Yes.

PORT OF WHITMAN COUNTY  
INVITATION FOR BIDS

**Project:** 22-006-FIB – Malden/Pine City FTTH  
**Bid Date:** 7/26/2022  
**Bid Due Date:** 8/23/2022 by 2:00 P.M. PST  
**Pre-Bid Meeting:** 8/3/2022 at 11:00 A.M. PST via link below (optional)

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

[+1 321-300-3685](tel:+13213003685), [936687299#](tel:+13213003685) United States, Orlando

Phone Conference ID: 936 687 299#

Bids for **Malden/Pine City FTTH** for the Port of Whitman County will be received at 302 N Mill Street, Colfax, WA 99111 (Port Administrative Building) **until 2:00 p.m. (PST), August 23, 2022**. Bids received after this time will not be accepted. Bids will only be accepted via mail or delivered to the Port Administrative Building. Email or facsimile bids will not be accepted.

The work on this project includes, but is not limited to the following:

- Furnishing all labor, equipment and materials (unless otherwise noted) necessary for the construction of fiber optic extensions in Whitman County
- Completing and complying with all permitting as required

The Port of Whitman County will provide fiber optic cable, handholes, route markers, fiber distribution panels, racks, rack units, splice cases, splice trays, splice cassettes, network interface devices (NIDs).

Please refer to the link below for access to the following documents made part of this invitation to bid:

<https://drive.google.com/drive/u/1/folders/1MiTjOOTJiuasB2psmvjHBEaPP967Eenf>

Invitation to bid additional documents:

- Malden/Pine City Design
- Rosalia to Malden Design
- Squaw Road Design
- Whitman County Utility Installation Policy
- Unit Pricing Bid Sheet

A couple items to take note of:

- A preconstruction meeting will be required.
- Although all the potential premises were included in the designs, only drops to premises with **signed waivers** will be constructed. This list of premises will be given to the selected contractor following the award of the contract.
- Be sure to include the supplemental responsible bidder criteria.

**PORT OF WHITMAN COUNTY INVITATION TO BID 22-006-FIB**

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**Work must commence as soon as the possible after August 23, 2022. The entire project must be completed by May 31, 2023. Weather days are allowed. Whitman County Right-of-Way work must be done by November 1, 2022.** All utility installation projects in the County Right-of-Way are subject to Winter Shutdown on November 1. No exceptions. If construction leads to the inadvertent discovery of an artifact or bone that may be human in origin, all ground-disturbing activity must discontinue immediately. Department of Archaeology and Historic Preservation (DAHP) protocols will be followed. No payment shall be made for any construction delays related to DAHP protocols. The Port may elect to extend the project completion date to reflect the time lost.

A bid guaranty, payment and performance bond will be required for this project. There will be an optional pre-bid meeting. Bidders should inspect or investigate the site of Work and the attachments to this Invitation to Bid prior to attending the pre-bid meeting and prior to submitting a Bid.

Bids will be opened publicly via online meeting and read aloud immediately following the specified closing time. All interested parties are invited to attend. Bid documents may be **examined** at the Port of Whitman County, 302 N Mill Street, Colfax, WA 99111.

The Port reserves the right to reject any or all offers if such action is in the best interest of the Port and waives informalities and minor irregularities in offers received. Bids may be delivered by mail or delivered in person. Bidders must meet the criteria in RCW 39.04.350.

**INSTRUCTIONS TO BIDDERS**

**ARTICLE 1: QUALIFICATION OF BIDDERS**

- A. Generally, no prequalification requirements are imposed prior to submitting a Bid. However, the Port of Whitman County may make such investigations as they deem necessary to determine the ability of the Bidder to perform the Work. The Bidder shall furnish to the Port all such information and data for this purpose as the Port may request. The Port reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Port that such Bidder is properly qualified to carry out the obligations of the contract and to complete the Work contemplated therein.
- B. The Bidder must be familiar with all Federal, State and local laws, including RCW 18.27 Registration of Contractors, ordinances and regulations which in any manner might affect those engaged or employed in the Work, the materials, equipment or procedures used in the Work, or which in any other way would affect the conduct of the Work. It is assumed the Bidder is familiar with such laws and regulations, and no plea of misunderstanding or ignorance of the law will be considered.
- C. The Bidder must be registered and licensed as may be required by the laws of the State of Washington at the time Bids are publicly opened.
- D. For Small Works contracts the Bidder must be registered on the Port of Whitman County Small Works Roster.

**ARTICLE 2: BIDDER'S REPRESENTATION**

Each Bidder, by submitting a Bid, represents that:

- A. The Bidder has read and understands the Bidding Documents and that the Bid is made in accordance with all applicable documents.
- B. The Bidder has inspected or investigated the site(s) of Work and has become familiar with the local conditions under which the Work is to be performed and has familiarized itself with the quantity and character of all materials and equipment.
- C. The Bid is based upon the Work described or presented within the Bidding Documents.
- D. The failure or omission of the Bidder to examine all pertinent forms, instruments, applicable statutes, or other documents shall in no way relieve the Bidder from the contractual obligations required by the Bidding Documents.
- E. The Bid submitted is unconditional in all respects.

**ARTICLE 3: BIDDING DOCUMENTS**

**3.1 AVAILABILITY**

- A. Bid documents may be examined at 302 N. Mill Street, Colfax, WA 99111, or obtained from the Port via US mail, email or facsimile.
- B. The Port of Whitman County assumes no responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- C. Bidding Documents issued as stated above are for bidding purposes only. The Port does not confer a license or grant for any other use.

**3.2 INTERPRETATION & CLARIFICATION**

- A. Bidders shall promptly notify the Port of ambiguities, inconsistencies, or errors, if any, which they may discover upon examination of the Bidding Documents or of the site and local conditions.
- B. Interpretations and Clarifications

- 1. Every request for interpretation or clarification should be submitted in writing to:

Port of Whitman County  
302 N. Mill Street  
Colfax, WA 99111  
(509) 397-3791  
Fax (509) 397-4758  
[port@portwhitman.com](mailto:port@portwhitman.com)

- 2. To be given consideration the request **must be received NO LATER THAN 12:00 PM** prior to the date fixed for the opening of the bids or proposals. Questions received after this date may not receive a response from the Port.
- C. Oral interpretations or clarifications will be without legal effect.

**3.3 ADDENDA**

- A. Clarifications, interpretations, or supplemental instructions will be issued only in the form of written addenda.
- B. Each bidder shall acknowledge within their Bid that they have obtained all addenda issued.
- C. All addenda issued shall become part of the Contract Documents.

**3.4 EXAMINATION OF THE WORK SITE**

- A. The premises will be made available prior to the deadline for submission of bids for whatever inspections and tests prospective bidders deem appropriate. It shall be the responsibility of the bidder to make a thorough examination of the area described prior to the submission of his bid.
- B. Prospective Bidders and primary subcontractors are strongly encouraged to attend a pre-Bid conference and site visit if announced in the advertisement for Bid.

**ARTICLE 4: BONDING AND INSURANCE REQUIREMENTS**

**4.1 BOND COSTS**

- A. The costs or premiums for all bonds shall be paid by the Bidders.

**4.2 CONTRACT BONDS**

- A. Prior to the execution of the Contract, the Bidder shall furnish in a form satisfactory to the Port, **Insurance Certificates**, and a **100% Performance Bond** and **Payment Bond** covering the faithful performance of the Contract and the payment of all obligations arising there under.
- B. Payment and Performance Bonds shall include language that states the bonding company agrees to any and all changes made to the contract when made by change order and agreed to by both Parties.
- C. **If the total bid price, including sales tax, is less than \$35,000, at the Contractor's option, the Port shall retain 50% of the total contract price for a period of no less than 45 days after final acceptance.**
- D. The bid shall be accompanied by a **Bid Guaranty** in an amount of at least 5% of the total bid (total of Base Bid plus WSST), unless otherwise noted on the invitation to bid.
- E. If applicable, the Bid Guaranty shall be in one of the following forms and made payable to the Port of Whitman County: a Bid Guaranty bond, in the form provided by the Port, duly completed by a guaranty company authorized to do business in the state of Washington; a U.S. postal money order; or a certified check or cashier's check drawn upon a banking institution. The surety signing the Bid Guaranty bond must appear on the U.S. Treasury Department's most current list (Circular 570 as amended), and the surety's name must appear in the current Authorized Insurance Company List in the State of Washington published by the Office of the Insurance Commissioner.



#### 4.3 POWER OF ATTORNEY

- A. Attorney-in-fact who signs Bid Bonds or Contract Bonds must file with each bond a certified and effectively dated copy of their Power of Attorney.

#### 4.4 INSURANCE REQUIREMENTS

The Contractor shall, through the life of this Contract, carry and maintain at Contractor's expense, the following insurance:

- A. Statutory Worker's Compensation Insurance covering Contractor's employees as required by law. Contractor is fully responsible for ascertaining whether any federal industrial insurance laws apply to this agreement. Contractor shall comply with all required workers compensation requirements whether through purchase of commercial insurance or as a qualified self-insurer relative to federal industrial insurance laws. The Contractor shall obtain evidence of equivalent coverage from all subcontractors;
- B. Commercial General Liability Insurance to include Contractual and Products/Completed operations Liability. Such insurance shall provide Bodily Injury and Property Damage Liability coverage on an occurrence basis with a Combine Single Limit of not less than \$1,000,000 any occurrence;
- C. Commercial Automobile Liability Insurance providing Bodily Injury and Property Damage Liability coverage with a Combined Single Limit of not less than \$1,000,000 any one occurrence;
- D. Maintenance of this insurance coverage during the performance of the work is essential to the Port.

#### 4.5 INSURANCE - GENERAL CONDITIONS

Prior to performance under this Contract, the Contractor shall furnish to the Port either original policies or certificates of insurance from an insurer(s) licensed or authorized to do business in the State of Washington evidencing compliance with the Liability Coverage Requirements provision above. Such policies or certificates shall contain the following provisions:

- A. Such insurance shall not be canceled or materially altered without the insurer first giving thirty (30) days written notice to the Port of Whitman County, 302 N. Mill Street, Colfax, Washington, 99111.
- B. Such insurance shall be primary to any owned by the Port of Whitman County.
- C. In respect to those insurances described in the subparts b and c of the Liability Coverage Requirements provision above, the Port shall be named as an additional insured in respect to operations arising out of this Contract. A copy of the Additional Insured Endorsement is required to be submitted to the Port of Whitman County along with the Certificate of Insurance.
- D. Insurance for subcontractors: If the contractor subcontracts any portion of this Contract, the Contractor shall include all subcontractors as insured's under its policies or shall require

separate certificates of insurance and policy endorsements from each subcontractor. Insurance coverage provided by subcontractors as evidence of compliance with the insurance requirements of this contract shall be subject to all of the requirements stated herein.

**ARTICLE 5: EXECUTION OF BID**

**5.1 FORM OF BID**

- A. Bids shall be submitted on the forms provided by the Port.
- B. All blanks on the Bid Form shall be filled in by typewriter or printed by hand in ink.
- C. For lump sum Bids the total Contract lump sum price shall be submitted.
- D. Where so indicated by the makeup of the Bid Form, sums shall be expressed in figures only.
- E. For unit price Bids a price shall be submitted for each item of the Work, an extension thereof, and the total amount bid. Such prices shall be stated in clearly legible figures only and shall be in ink or typed.
- F. Alterations, erasures, or interlineations, if any, shall be in ink and initialed by the signer of the Bid.
- G. The Bidder shall make no additional conditions or stipulations on the Bid or qualify his Bid in any manner.
- H. The Bid Form shall include the legal name and registration number of the Bidder and a statement indicating whether the Bidder is a sole proprietor, a partnership, a corporation, joint venture, or other legal entity. The Bid Form shall be signed by the person or persons legally authorized to bind the Bidder to a contract.

**5.2 IRREGULAR BIDS**

A Bid shall be considered irregular and may be rejected by the Port for any of the following reasons:

- A. If the Bid Form furnished or authorized is not used or is altered;
- B. If the Bid Form is incomplete or if any required supplemental documents contain any additions, deletions, unauthorized alternate bids, conditions, or otherwise fail to conform to the Port of Whitman County requirements;
- C. If the Bidder adds any provisions reserving the right to reject or accept the award, or enter into the contract;
- D. If the Bid fails to include a unit price for every bid item;

- E. If the Port deems any of the Bid prices to be excessively unbalanced either above or below the amount of a reasonable bid for the item of work to be performed to the potential detriment of the Port.
- F. If Bid is not based on United States of America dollars.

### 5.3 MANDATORY RESPONSIBLE BIDDER CRITERIA

It is the intent of the Port to award a contract to the “lowest responsible Bidder.” Before award, the Bidder must meet the following Bidder responsibility criteria to be considered a responsible Bidder. The Bidder may be required by the Port to submit documentation demonstrating compliance with the criteria. The Bidder must:

- A. Have a current certificate of registration as a contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal;
- B. Have a current Washington Unified Business Identifier (UBI) number;
- C. If applicable:
  - 1. Have Industrial Insurance (workers’ compensation) coverage for the Bidder’s employees working in Washington, as required in Title 51 RCW;
  - 2. Have a Washington Employment Security Department number, as required in Title 50 RCW;
  - 3. Have a Department of Revenue state excise tax registration number, as required in Title 82 RCW;
- D. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3);
- E. Have received training on the requirements related to public works and prevailing wage under Chapter 39.04 RCW and Chapter 39.12 RCW or are otherwise exempt from this requirement pursuant to RCW 39.04.350(f).
- F. Within the three-year period immediately preceding the date of this bid solicitation, not have been determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries, or through a civil judgment entered by a court of limited or general jurisdiction, to have willfully violated, as defined in RCW [49.48.082](#), any provision of chapter [49.46](#), 49.48, or [49.52](#) RCW.
- G. A Bidder may be deemed not responsible and its Bid rejected if:

## PORT OF WHITMAN COUNTY INVITATION TO BID 22-006-FIB

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1. More than one Bid is submitted on the same project from a Bidder under the same or different names.
  2. Evidence of collusion with any other Bidder or Bidders. Participants in such collusion may be disqualified from submitting Bids on further work.
- H. If requested, the apparent low Bidder must provide within two (2) business days of receiving the Port's request, the following:
1. Information demonstrating that the Bidder is responsible, consistent with the criteria set forth above. The Port may specifically request information addressing any of the items listed in the RCW or above. The Port reserves the right to request such documentation from other Bidders also.
  - I. If the Port determines that the apparent low Bidder is not responsible, the Port will notify the Bidder of its preliminary determination in writing. Within two (2) days of receipt of the preliminary determination, the Bidder may either withdraw its bid or protest the Port's determination by presenting additional information to the Port. The Port will consider the additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Port will not execute a contract with any other Bidder until two (2) business days after the Bidder determined to be not responsible has received the final determination.

### 5.4 SUPPLEMENTAL RESPONSIBLE BIDDER CRITERIA

As approved by the Port Commission and subject to the Port's right to reject all bids, the construction contract will be awarded to the lowest responsive and responsible bidder applying the following Supplemental Bidder Responsibility Criteria for this Project. In addition to the Mandatory Responsible Bidder Criteria above, the bidders will be evaluated against the criteria set forth herein to determine the "lowest responsive and responsible bidder."

- A. **Process for Application of Supplemental Bidder Criteria.** The bids will be opened and arrayed from lowest responsive bidder to highest responsive bidder. Then lowest responsive bidder will be evaluated against the three (3) selection criteria set forth below. A ranking system will be used with a low of 1 point to a high of 10 points for each criteria with a total of thirty (30) points. The minimum acceptable score is twenty-two (22) (the "Minimum Score"). Any bidder receiving a score of less than four (4) on any individual criteria shall be deemed "not responsible" regardless of the total score. If the lowest responsive bidder achieves the Minimum Score or greater than that and receives at least a four (4) on each criteria, that bidder will be declared the lowest responsive and responsible bidder. If the lowest responsive bidder does not achieve the Minimum Score, that bidder will be determined "not responsible." Thereafter, the next lowest responsive bidder will be likewise evaluated. This process shall be repeated until a responsive bidder achieves the Minimum Score or greater and receives at least a four (4) on each criteria.
- B. **Selection Criteria.** The three (3) selection criteria to be used in evaluating bids are described below. Bidder shall submit all information that Bidder deems appropriate with the bids to allow

**PORT OF WHITMAN COUNTY INVITATION TO BID 22-006-FIB**

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evaluation of these criteria. For joint venture bidders, the Bidder shall provide the information for all members of the joint venture, where appropriate. The Port reserves the right, but is not obligated, to seek additional information from a Bidder undergoing the analysis. The Port reserves the right, but is not obligated, to check the accuracy of any information submitted.

1	Relevant experience criteria	1 – 10 points
2	Experience of the project management team	1 - 10 points
3	Previous claims history	1 - 10 points

**1. Relevant Experience Criteria.** The Bidder shall have successfully completed all awarded public works projects with a contract price over Three Hundred Fifty Thousand \$350,000 within the past three (3) years. In evaluating whether the projects were “successfully completed,” the Owner may check owner references for the previous projects and may evaluate the owner’s assessment of the Bidder performance, including but not limited to the following areas:

- i. Quality control;
- ii. Safety record;
- iii. Timeliness of performance;
- iv. Use of skilled personnel;
- v. Management of subcontractors;
- vi. Availability of and use of appropriate equipment;
- vii. Compliance with the contract documents;
- viii. Management of submittals process, change orders, and close out;
- ix. Ability to provide required deliverables under the Contract Documents in a responsive and timely manner including, but not limited to, required shop drawings, schedules, submittals, and as-builts;
- x. Demonstration of being reasonable in pricing change orders; and
- xi. Demonstration of being responsive in resolving warranty issues in a timely manner.

**Documentation:** The Bidder shall submit (on the Bidder’s letterhead stationery) a list of all public works projects where Bidder was awarded in the past three (3) years. The information about each project shall include the following:

- i) Owner’s name and contact information for the owner’s representative;
- ii) Awarded contract amount;
- iii) Final contract amount;
- iv) A description of the scope of the project;
- v) List the categories of work that your organization performed with its own forces; and
- vi) List base contract bid amount and total change order amount.

The Bidders shall also include a self-assessment of its performance of each project, including but not limited to the following:

- i. Quality control;
- ii. Safety record;
- iii. Timeliness of performance;

- iv. Use of skilled personnel;
- v. Management of subcontractors;
- vi. Availability of and use of appropriate equipment;
- vii. Compliance with the contract documents;
- viii. Management of submittals process, change orders, and close out;
- ix. Ability to provide required deliverables under the Contract Documents in a responsive and timely manner including, but not limited to, required shop drawings, schedules, submittals, and as-builts;
- x. Demonstration of being reasonable in pricing change orders; and
- xi. Demonstration of being responsive in resolving warranty issues in a timely manner.

2. **Experience of the project management team.** Identify the name, qualifications, and at least two (2) references for each of the following key members of the Bidder's project management team: i) Superintendent, ii) Project Manager, and iii) QA/QC Representative, as well as the same three (3) people for each subcontractor performing at least twenty percent (20%) of the Project's bid price. For each reference, provide name, organization, title, and description of project and both phone and email contact information. The Port intends to contact references as part of its review of management team experience.

3. **Previous claims/lawsuit history.** For the past three (3) years, list all projects (whether public works or private) performed by the Bidder that were/are subject to litigation for design, fabrication, performance, or any other reason as either defendant or plaintiff. Bidder shall identify if they have ever been sued by a special purpose district, municipality, county, state, or the federal government involving a public works contract, and for what reason. If so, identify the case title and cause number of each lawsuit, as well as the court in which each was filed. Identify the disposition of the case if resolved. The Bidder will also be evaluated to determine if it has a record of excessive claims filed against the retainage or payment bonds for public works projects during the previous three (3) years, that demonstrate a lack of effective management by the Bidder of making timely and appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances, and such circumstances are deemed acceptable to the Port. The Bidder will also be evaluated to determine if it has a record of lawsuits with judgments entered against the Bidder within three (3) years of the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, unless there are extenuating circumstances, and such circumstances are deemed acceptable to the Port.

**Documentation:** The Bidder shall submit a list of the public works projects completed within the previous three years and include for each project the following information:

- i) A list of all projects (public works or private) during the previous three (3) years which were or are subject to litigation;
- ii) A list of all cases where Bidder was sued by a special purpose district, municipality, county, state, or the federal government involving a public works contract, and for what reason;
- iii) A list of claims filed against the Bidder's retainage and/or payment bond for any public works project performed during the previous three (3) years;
- iv) A written explanation of the circumstances surrounding each claim and/or lawsuit disclosed above and the ultimate resolution of the claim. The Port shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing to meet of terms of

construction related contracts. The Port may also evaluate lawsuits within the time period specified that are not reported by the Bidder if discovered or known to the Port. Failure to report a lawsuit and/or claim may subject the Bidder to be deemed non- responsible and/or non-responsive.

- C. **Process for Evaluating Bidder Responsibility.** The Owner shall have the right to make reference checks in determining if bidder is not a responsible bidder. Prior to making such a determination that a bidder is not responsible based on information received through reference checks, the Owner may, but is not required to, discuss with the bidder the information obtained from the references, and provide the bidder with the opportunity to offer explanations that may help inform whether the Owner declares the bidder not responsible. In conducting reference checks, the Owner may include itself as a reference if the bidder has performed work for the Owner, even if the bidder did not identify the Owner as a reference. If the Owner determines the low bidder is not a responsible bidder, subject to the following requirements of the appeal process (see below), the Owner may award the contract to the next lowest bidder who meets the Supplemental Responsibility Criteria and whose reference checks validate the ability of the bidder to successfully perform the work.
- D. **Failure to Submit Documentation.** If a bidder fails to submit the documentation required by the bidding documents to demonstrate compliance with the Mandatory and Supplemental Bidder Responsibility Criteria within the time period specified in the bidding documents, the Owner may:
1. Find the bidder not responsible, or
  2. Find the bidder responsible based upon any available information that demonstrates that the bidder meets the Mandatory and Supplemental Bidder Responsibility Criteria.
- E. **Changing Criteria During Bidding Period.** During the bidding period, the potential bidder who believes that the Supplemental Bidder Responsibility Criteria should be changed may, not later than ten (10) days prior to bid opening, request the Port to consider modifying the criteria. The Port shall evaluate any such requests and respond to the requesting bidder before the bid submittal deadline. If a decision is made by the Port to modify the criteria, such modification shall be communicated to all bidders and plan holders via the issuance of an addendum to the bidding documents.
- f. **Appeal of Bidder Criteria.** If the Owner determines the bidder does not meet the supplemental bidder responsibility criteria, and is therefore not a responsible bidder, the Owner shall notify the bidder in writing with the reasons for its determination. If a bidder that has been determined to be “not responsible,” the bidder so determined may appeal the determination to the Executive Director of the Port within two (2) business days after receiving notification of the determination by providing (i) the basis for the objection, (ii) any additional information which bidder believes will bear on the appeal and (iii) an email address where the Port’s final determination can be delivered. The Port will consider the additional information before issuing its final determination. If the final determination affirms that the bidder is not responsible, the Port will not execute a contract with any other bidder until two (2) business days after the bidder determined to be not responsible has received the final determination which may be transmitted by any means, including electronic mail.

**ARTICLE 6: SUBMISSION OF BIDS**

**6.1 SUBMISSION OF BIDS**

- A. If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "BID ENCLOSED" on the face thereof. The Bid, the bid guaranty if applicable and all other documents required to be submitted with the Bid shall be sealed in the envelope. The envelope shall be clearly marked with the words "Bid By" followed by the name and address of the Bidder, the Port designated project name, and the date and time for the opening of the Bid.
- B. If the Bid is sent by facsimile or email, the Bid should include a subject line with the notation "BID ATTACHED". The Bidder is responsible for verifying that the Bid is received prior to the designated time and date. The Port will not accept responsibility for transmission errors.
- C. Oral or telephonic bids are invalid and will not receive consideration.
- D. No Bid shall be considered which has not been received by the Port before the time fixed for the opening of Bids in the published call for Bids.
- E. Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.

**ARTICLE 7: WITHDRAWAL OR MODIFICATION OF BIDS**

**7.1 PRIOR TO BID OPENING**

- A. Prior to the time and date designated for the receipt of Bids, a Bidder may withdraw or modify a Bid submitted earlier. Withdrawal, or modification, of the Bid shall be by written notice signed by the Bidder, or by email or facsimile received prior to the time and date designated for the receipt of Bids.

**7.2 AFTER BID OPENING**

- A. A Bid may not be modified, withdrawn or canceled by the Bidder after the time and date set for the opening. By submitting a Bid, the Bidder agrees to the above conditions.

**7.3 RESUBMITTAL OF MODIFIED BIDS**

- A. A Bid which has been withdrawn or modified prior to the time and date designated for the receipt of Bids may be resubmitted. The resubmitted Bid will be considered valid only if it is received prior to the date and time originally set for the receipt of Bids and contains the Bid security covering all modifications, and all documents requested in the original submittal, signed and initialed as mentioned heretofore.

**ARTICLE 8: OPENING OF BIDS**



**8.1 PUBLIC OPENING**

- A. Bids will be opened and read publicly at the time indicated in the call for Bids unless the Port has changed through Addendum the date of opening Bids to another date, rejected any Bid or Bids, or has canceled the call for Bids. Bidders, their authorized agents, and other interested parties are invited to be present.

**8.2 READING OF BIDS**

- A. Unless stated otherwise in the Advertisement, all Bids which have been properly identified and received will be publicly opened and read aloud. No evaluation of the Bids will be made at that time except for the announcement of the “Apparent Low Bidder,” if pertinent.

**8.3 EVALUATION OF BIDS**

- A. After evaluation by the Project Manager and his/her recommendation to the Executive Director and/or the Port Commissioners, the Port retains the right to reject any or all Bids.

**8.4 CLAIM OF ERROR**

- A. A Bidder claiming error in its Bid must submit supporting evidence including cost breakdown sheets by the close of the next business day after bid opening and provide any other supporting documentation requested by the Port. In the event the Bidder demonstrates an error in the Bid to the Port’s satisfaction, the Port may allow the Bidder to withdraw its Bid.

**ARTICLE 9: ACCEPTANCE OF BIDS (AWARD)**

**9.1 VERIFICATION OF BID PRICES**

- A. When Bids are opened and read, they will be checked for mathematical accuracy with respect to the extensions of unit bid prices and the total Bid price. If there is a discrepancy between a unit Bid price and the extended amount of any Bid item, the unit Bid price shall control. The total of extensions, corrected where necessary, will be used as the amount of the Bid for award purposes and will fix the amount of the Contract bonds.

**9.2 RIGHTS OF THE PORT**

- A. The Port shall have the right to waive any informality or irregularity in any Bid received.
- B. The right is reserved to accept a Bid of the lowest responsible Bidder, an Alternative Bid, if applicable, based upon plans and specifications prepared by the Bidder, to reject any or all Bids, republish the call for Bids, revise or cancel the work to be performed, or to do the work otherwise, if in the judgment of the Port Commission, the best interest of the Port is served thereby.

**9.3 FAILURE TO EXECUTE CONTRACT**

- A. If the Bidder awarded the Contract fails to execute the Contract and furnish satisfactory bonds within ten (10) days from receipt of the Notice of Intent to Award, or declares in writing their intent to not execute the Contract, their Bid deposit, if applicable, shall be forfeited to the Port and the Port Commission may provide Notice of Intent to Award to the second lowest responsible Bidder. If the second lowest responsible Bidder fails to enter into the Contract and furnish bonds within ten (10) days after receipt of the Notice of Intent to Award, forfeiture of their Bid deposit shall also be made and the Contract may be awarded to the third lowest responsible Bidder, and in like manner until the Contract and bonds are executed by a responsible Bidder to whom award is made, or further Bids are rejected or the number of Bids is exhausted.

**9.4 AWARD OF CONTRACT**

- A. All parts of the Instructions to Bidders and Specifications will be part of the Contract between the selected bidder and the Port.
- B. The successful Bidder will receive a “Notice of Intent to Award” by the Port. The letter will direct the Bidder to submit Certificates of Insurance, list of subcontractors, and the required bonds within ten (10) days after receipt.
- C. The Bidder shall also execute the Contract, furnished by the Port, within ten (10) days after receipt of the “Notice of Intent to Award.”

**9.5 EXTENSION OF TIME**

- A. If the Contract is not executed or not provided within the time required, and there appears to be circumstances which the Port deems to warrant an extension of time, it may extend the time for execution of the Contract or for furnishing bonds for up to ten (10) additional days.

**9.6 AGREEMENT RENEWALS**

- A. The term of the contract shall be for a period necessary to complete the project. This is a project specific contract and renewals are not applicable.
- B. Prices bid for each year will be firm for the duration of the contract.

**9.7 SIGNING OF CONTRACT**

- A. Copies of Contract Documents shall be signed by the Port Commission or Authorized Representative and the Contractor. The Contract form used for this Project is included with the bid documents herein.

**9.8 CANCELLATION OF AWARD**

- A. The Port reserves the right to cancel its Intent to Award of any Contract at any time before the execution of said Contract by all parties without liability to the Port.

**ARTICLE 10: PREVAILING WAGES**

- A. **PREVAILING WAGES:** Payment of Washington State Prevailing Wages applies to this contract. Contractors and subcontractors shall comply with the requirements of RCW 39.12 regarding the payment of prevailing wages, including the requirements to deliver a Statement of Intent to Pay Prevailing Wages and to post notice of such intent **prior to commencement of work**, and to file an Affidavit of Wages Paid after completion of the work. The State of Washington prevailing wage rates applicable for public works projects may be found at the following website address of the Department of Labor and Industries:  
<https://fortress.wa.gov/lni/wagelookup/prvWagelookup.aspx>.  
**The applicable effective date for prevailing wages is the due date in which the bid is due.**  
A copy of the applicable prevailing wage rates are also available for viewing at the Port office, located at 302 N Mill Street, Colfax, WA 99111. Upon request, the Port will mail a hard copy of the applicable prevailing wages for this project.
- B. Contractor shall submit an invoice for retainage at the end of the contract period.
- C. The cost of filing Prevailing Wage forms with the State Department of Labor and Industries shall be at no additional cost to the Port.
- D. No payment will be made on this contract until the contractor and each and every subcontractor has submitted a Statement of Intent to Pay Prevailing Wages that has been approved by the Department of Labor and Industries. No final payment or release of retainage will be made until the contractor and each and every subcontractor has submitted an Affidavit of Wages Paid following Labor and Industries filing requirements, and that has been approved by the Department of Labor and Industries, and other State agencies as required by law.

PORT OF WHITMAN COUNTY INVITATION TO BID 22-006-FIB

**BID FORMS**

**NOTE: ANY ALTERATION OR ADDITION TO THE BID FORM MAY INVALIDATE THE BID**

BIDDER'S NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

WA EMPLOYMENT SECURITY DEPARTMENT ACCOUNT NUMBER: \_\_\_\_\_

Name of Project: **Malden/Pine City FTTH**

1. Having carefully examined the contract documents titled PORT OF WHITMAN COUNTY INVITATION TO BID **22-006-FIB** as well as the site of the project and conditions affecting the work, the undersigned proposes to furnish all the labor, materials, equipment, superintendence, insurance and other accessories and services necessary to perform and complete all of the work required by and in strict accordance with the above documents and implied intent thereof, for the following schedule of prices:

**LOADED HOURLY LABOR RATES for all Contract Work.** For all labor as may be necessary for the particular operation, the contractor may be paid an amount equal to the lump sum bid amount. This payment shall include the sum of the following: prevailing wage rate, wage premiums, overhead, profit, insurance, medical premium, as applicable, and all other costs incurred in supplying such labor, including but not limited to all costs associated with transportation to and from job site and tools and PPE and equipment supplied to the Worker for the execution of the work. The Contractor shall meet the Washington State Prevailing Wage Rates including benefits current for the trade/position of the work.

2. The "Total Bid Price" on the Bid Schedule will be used for basis of award. Note: The unit quantities shown in the bid submittal sheets are estimates and are stated only for bid comparison purposes. The Port does not warrant that the actual quantities of work will correspond with those estimates. The Port reserves the right to increase or decrease any of the quantities shown without adjusting the unit contract prices. Payment will be made on the basis of the actual quantities satisfactorily completed in accordance with the Contract requirements. A list of identified projects is provided in the Specifications Section. The Port reserves the right to add or remove projects from this list.

3. Bidder has examined copies of the Bid Documents and of the following Addenda (receipt of which is hereby acknowledged):

**IMPORTANT: EACH ADDENDUM MUST BE ACKNOWLEDGED.**

Date	Number

4. Bidder will complete the work for the following unit prices for Bid Items as described in Bid Documents.



PORT OF WHITMAN COUNTY INVITATION TO BID 22-006-FIB

**BID BOND FORM**

Herewith find deposit in the form of a certified check, cashier's check, cash, or bid bond in the amount of: \$ \_\_\_\_\_ which amount is not less than 5% percent of the total bid.

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the Port of Whitman County as Obligee, in the penal sum of \_\_\_\_\_, Dollars, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if the Obligee shall make any award to the Principal for Project titled:

**Project: 22-006-FIB Malden/Pine City FTTH**

according to the terms of the proposal or bid made by the Principal therefore, and the Principal shall duly make and enter into a contract with the Obligee in accordance with the terms of said proposal or bid and award and shall give bond for the faithful performance thereof, with Surety and Sureties approved by the Obligee; or if the Principal shall, in case of failure so to do, pay and forfeit to the Obligee the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect and the Surety shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages the amount of this bond.

SIGNED, SEALED AND DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

\_\_\_\_\_, 2022

Received return of deposit in the sum of: \$ \_\_\_\_\_

\_\_\_\_\_  
Signed

**CONTRACT FORM**

This contract made and entered into this \_\_\_\_ day of \_\_\_\_\_, **2022**, by and between the **Port of Whitman County, Whitman County**, Washington, hereinafter called "**Owner**" and \_\_\_\_\_ hereinafter called "**Contractor**".

WITNESSETH: It is hereby mutually understood and agreed by and between the Owner and the Contractor as follows:

- I. CONTENTS OF CONTRACT:** The contract shall consist of;
- (1) This document, including amendments thereto;
  - (2) The invitation to bid, bid proposal, all related bid documents, including any addenda issued, and general scope of work;
  - (3) The construction design, drawings, related permits and plans;
  - (4) Division 1 of the Standard Specifications for Road, Bridge, and Municipal Construction 2020 Edition (the "WSDOT Specs") (not attached).

In the event of any conflicting terms in the above documents, the following order of precedence shall apply:

- (1) The addenda to the invitation to bid and all related documents;
- (2) The construction design, drawings, related permits and plans;
- (3) The invitation to bid, bid proposal, all related bid documents, and general scope of work;
- (4) This Contract Form; and
- (5) Division 1 of the Standard Specifications for Road, Bridge, and Municipal Construction 2020 Edition (the "WSDOT Specs").

**ALSO APPLIES BUT NOT ATTACHED TO CONTRACT:**

- (1) All applicable State, Local and Federal Laws and Regulations.
- (2) The Prevailing Wage Rates set by the State Department of Labor & Industries.

- II. WORK TO BE PERFORMED: Contractor shall commence and complete the construction described as follows:**

*22-006-FIB Malden/Pine City FTTH*

Hereinafter called the project and all extra work in connection therewith. The Contractor shall perform the contract in accordance with terms and conditions set forth in this Contract.

The Contractor's scope of work shall include but is not limited to the scope of work delineated in the small works roster bid document attached.

- III. PRICE:** Contractor shall perform the contract for the specified in the bid attached, in words and numbers:

\_\_\_\_\_ **excluding applicable taxes.**

**PORT OF WHITMAN COUNTY INVITATION TO BID 22-006-FIB**

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The liability insurance and the applicable prevailing wages are a requirement under this Contract, and at the Contractor's own proper cost and expense it shall furnish all the materials, supplies, machinery, equipment, tools, superintendent, labor, insurance, required payment and performance bonds, and other accessories, and services necessary to complete the project.

- IV. COMPLIANCE WITH STATE LAWS:** It is understood and agreed that all statutes of the State of Washington relating to public works projects applicable hereto shall be fully complied with and fulfilled by the Contractor, including the applicable Federal Laws, and upon Contractor's failure to do so the Owner may terminate this Contract as provided for under the laws of the State of Washington and the terms of this Contract.
- V. PAYMENT:** The Owner agrees to pay the Contractor in current funds, after completion for the performance of the contract as outlined in the accepted Bid Proposal of the Contract Provisions / Contract Documents, and for any extra work or material as applies and as pre-approved by the OWNER in writing. Invoices for progress payments may be submitted after work is completed. Retainage will be withheld from each invoice in the amount of 5%. Retainage will be released upon approval of the required state agencies.
- VI. COMMENCEMENT OF WORK:** The Contractor hereby agrees to commence work under this contract promptly upon receipt of written "Notice to Proceed" from the Owner or on the date specified in the "Notice to Proceed" and to fully complete the project **NO LATER THAN May 31, 2023**. Weather days are allowed under this contract pursuant to the WSDOT Specs. No payment shall be made for any construction delays related to DAHP protocols. The Port may elect to extend the project completion date to reflect the time lost.
- VII. LIQUIDATED DAMAGES:** If the Contractor fails to complete the work or deliver the requested material within the time specified above in this Contract, the Contractor shall pay liquidated damages at the rate specified in Section 1-08.9 of the Washington State Department of Transportation 2020 Standard Specifications for Road, Bridge and Municipal Construction.
- VIII. GENERAL REQUIREMENTS:** Division 1 of the WSDOT Specs shall apply to this Contract and is expressly incorporated as if specifically set forth herein. Notwithstanding the foregoing, any reference in the WSDOT Specs to the "Commission" or "Washington State Transportation Commission" shall refer to the Port Commission and any reference to the "Contracting Agency" or the "Department" shall refer to the Port.
- IX. FINAL ACCEPTANCE OF WORK:** Final acceptance of the Work shall not constitute acceptance of any unauthorized or defective work or material. The Port shall not be barred from requiring the Contractor to remove, replace, repair, or dispose of any unauthorized or defective work or material or from recovering damages for any such work or material. If within two years after the date of completion of the Work, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of notice from the Port to do so (the "Warranty"). The Port shall give such notice promptly after discovery of the condition. The Contractor shall bear all costs to correct such work. If action to correct the listed deficiencies is not initiated within fifteen working days after receipt of the written notice listing the deficiencies, the Port may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies. Such steps may include the correction of



**PORT OF WHITMAN COUNTY INVITATION TO BID 22-006-FIB**

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defects using in house forces or by others. In such case, the direct and indirect costs incurred by the Port will be charged to the Contractor. This Warranty is in addition to, and not limitation of, any and all other rights and remedies the Port has under law and equity.

By executing this document below, the parties to this Contract signify that they have read the contents of this Contract understand it and agree to be bound by its terms.

DATED: \_\_\_\_\_

**CONTRACTOR:**

\_\_\_\_\_  
President/Owner

ATTEST:

\_\_\_\_\_  
Secretary

**OWNER:**  
**PORT OF WHITMAN COUNTY**  
**COLFAX, WASHINGTON**

\_\_\_\_\_  
Kara Riebold, Executive Director

ATTEST:

\_\_\_\_\_  
Secretary

ATTACHMENT "A" - Unit Bid Pricing  
 22-006-FIB - Malden/Pine City FTTH Project

\*\*\* Each placement estimated quantity and unit of measure is a stand alone...not an add-on\*\*\*

Malden Pine City FTTH Design					
	Item Description	Quantity	Unit of Measure	Unit Price	Extended Total
UNDERGROUND INSTALLATION	Pull 48 strand fiber-optic cable (owner to provide fiber optic cable)	14,550	Ft		\$ -
	Pull 96 strand fiber-optic cable (owner to provide fiber optic cable)	88,800	Ft		\$ -
	Pull 144 strand fiber-optic cable (owner to provide fiber optic cable)	9,680	Ft		\$ -
	Pull 2 strand fiber-optic drop cable (owner to provide fiber optic cable)	30,950	Ft		\$ -
	Plow and install 1.25-in. to 2-in HDPE Conduit	129,090	Ft		\$ -
	Directional Drill Placement of 1.25-in. to 2-in HDPE Conduit	3,050	Ft		\$ -
	Rock Drill Placement of 1.25-in. to 2-in HDPE Conduit		Ft	\$ 85.00	\$ -
	Rock Sawing and Placement of 1 1.25-in. to 2-in HDPE Conduit		Ft	\$ 17.00	\$ -
	Install 3" Schedule 80 galvanized conduit	1,090	Ft		\$ -
	Install Fiber Marker Post	46	EA		\$ -
	Install hand holes (owner to provide hand holes)	46	EA		\$ -
	Gravel Restoration (minimum 500 yards per mile required by County permit)	4	MI		\$ -
	Mobilization	1	EA		\$ -
	FIBER SPLICING	Install B Splice Case (owner to provide splice case and trays)	38	EA	
Install D Splice Case (owner to provide splice case and trays)		3	EA		\$ -
Fusion splice fibers		250	EA		\$ -
Install fiber optic rack and fiber distribution panels in the CO		1	EA		\$ -
Terminate Fibers in Rack Panels		96	EA		\$ -
Terminate Fiber in Cabinet Panels		96	EA		\$ -
	<b>Subtotal</b>				\$ -










Rosalia to Malden Design					
	Item Description	Quantity	Unit of Measure	Unit Price	Extended Total
UNDERGROUND INSTALLATION	Pull 48 strand fiber-optic cable (owner to provide fiber optic cable)	1,760	Ft		\$ -
	Pull 96 strand fiber-optic cable (owner to provide fiber optic cable)	37,068	Ft		\$ -
	Pull 144 strand fiber-optic cable (owner to provide fiber optic cable)		Ft		\$ -
	Pull 2 strand fiber-optic drop cable (owner to provide fiber optic cable)		Ft		\$ -
	Plow and install 1.25-in. to 2-in HDPE Conduit	36,978	Ft		\$ -
	Directional Drill Placement of 1.25-in. to 2-in HDPE Conduit	3,360	Ft		\$ -
	Rock Drill Placement of 1.25-in. to 2-in HDPE Conduit		Ft	\$ 85.00	\$ -
	Rock Sawing and Placement of 1 1.25-in. to 2-in HDPE Conduit		Ft	\$ 17.00	\$ -
	Install 3" Schedule 80 galvanized conduit		Ft		\$ -
	Install Fiber Marker Post	30	EA		\$ -
	Install hand holes (owner to provide hand holes)	12	EA		\$ -
	Gravel Restoration (minimum 500 yards per mile required by County permit)	1.6	MI		\$ -
	Mobilization	1	EA		\$ -
	FIBER SPLICING	Install B Splice Case (owner to provide splice case and trays)		EA	
Install D Splice Case (owner to provide splice case and trays)		4	EA		\$ -
Fusion splice fibers		100	EA		\$ -
	<b>Subtotal</b>				\$ -

Squaw Rd Design					
	Item Description	Quantity	Unit of Measure	Unit Price	Extended Total
UNDERGROUND INSTALLATION	Aerial 48 strand fiber-optic cable (owner to provide fiber optic cable)	4,000	Ft		\$ -
	Pull 48 strand fiber-optic cable (owner to provide fiber optic cable)	150	Ft		\$ -
	Plow and install 1.25-in. to 2-in HDPE Conduit	150	Ft		\$ -
	Installation of 2" 40 Riser	2	EA		\$ -
	Anchors	3	EA		\$ -
	Install Fiber Marker Post	1	EA		\$ -
	Install hand holes (owner to provide hand holes)	1	EA		\$ -
	Mobilization	1	EA		\$ -
	<b>Subtotal</b>				\$ -

**PROCUREMENT TOTAL** excluding applicable taxes \$ -

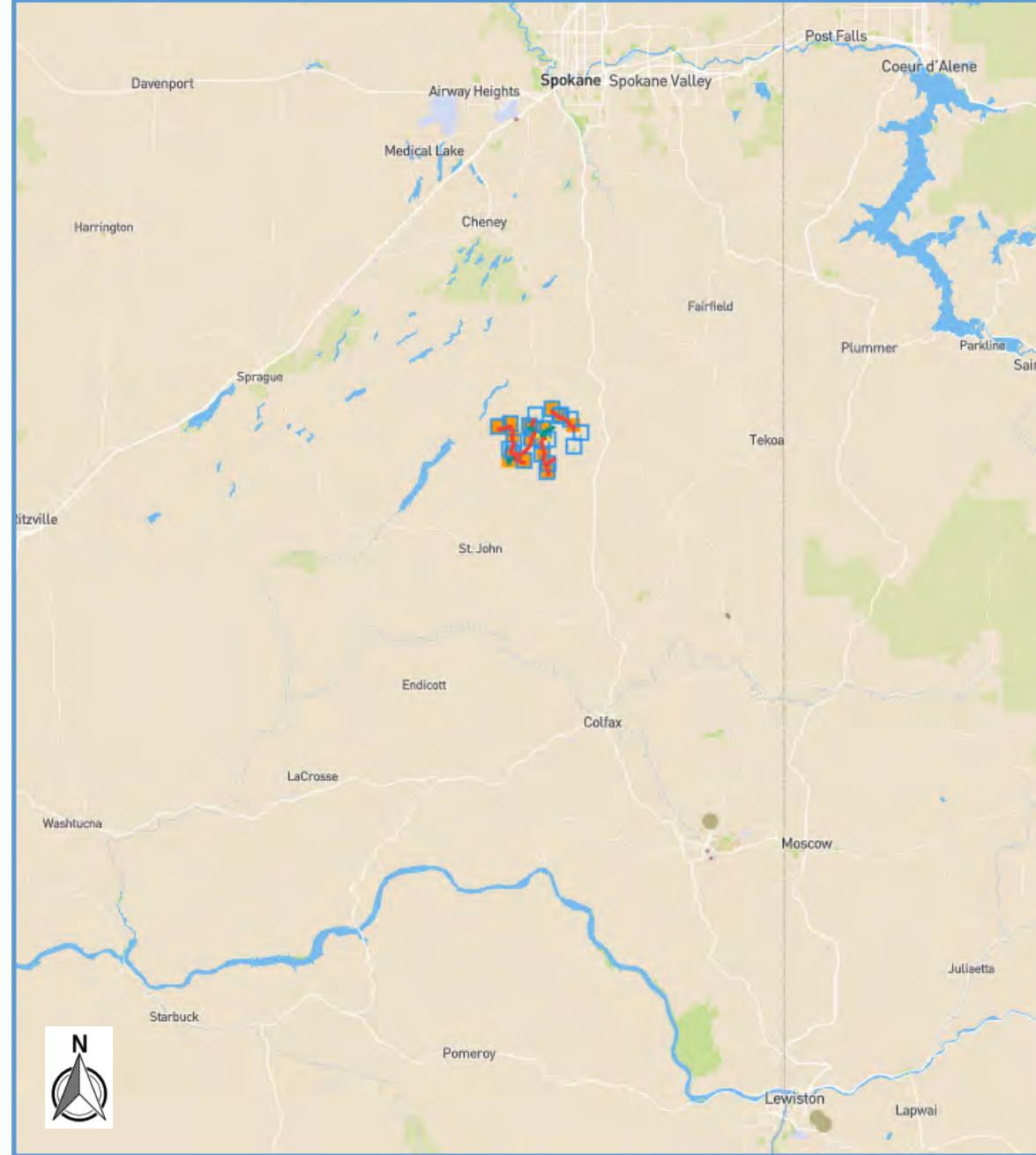
# PETRICHOR BROADBAND MALDEN/PINE CITY FTTH

<b>GENERAL NOTES</b>
The project takes place in Whitman County, Washington. It provides fiber connections to premises in the unincorporated areas of Malden and Pine City.
<b>AERIAL CONSTRUCTION</b>
N/A
<b>UNDERGROUND CONSTRUCTION</b>
Place fiber optic cable in 1 1/4" HDPE conduit. Install vaults and route markers, as shown in construction plan. Terminate one strand of 2 ct. drop cable at boxes already installed on the outside of homes.
<b>PERMITS</b>
Whitman County Right-of-Way WDFW Hydraulic Project Approval
<b>EASEMENTS</b>
N/A
<b>SUMMARY OF MATERIALS</b>
The Port of Whitman will supply all fiber optic cable, route markers, splice cases, splice trays, fiber distribution panels and splice cassettes.
<b>CONTACT INFORMATION</b>
Kalvin Johanson Broadband Director, Port of Whitman County 509-288-2046, kalvin@portwhitman.com

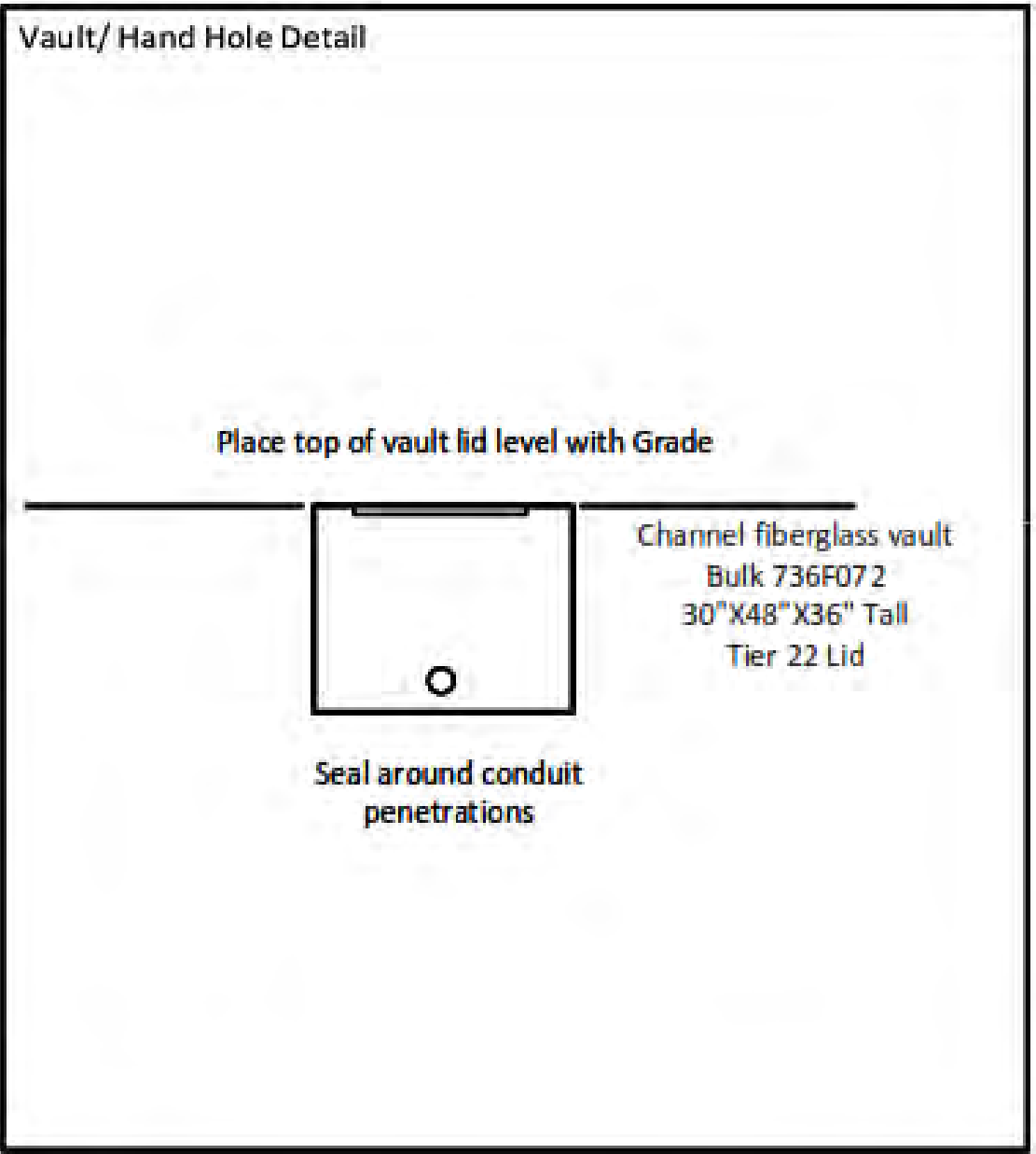
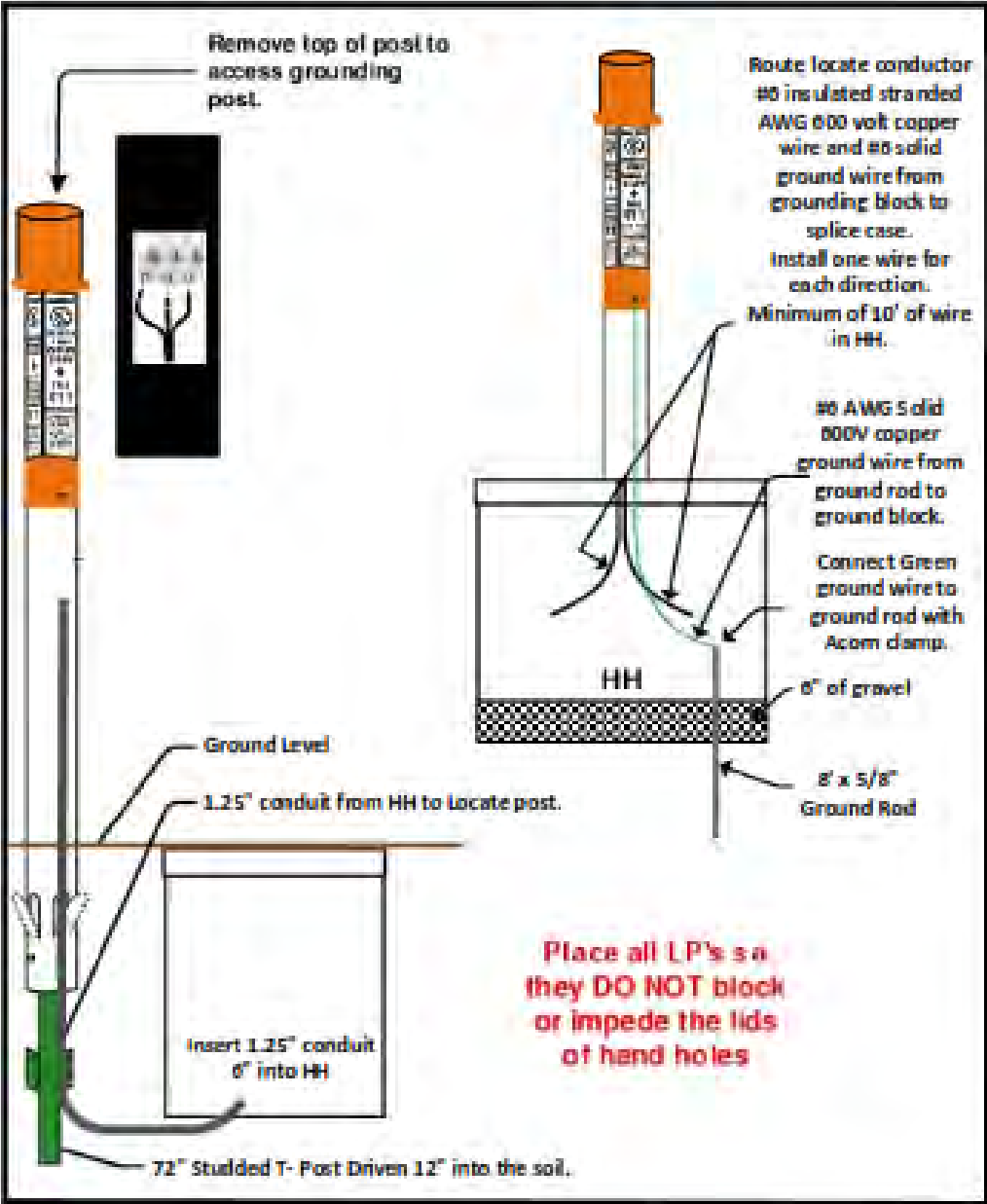
<b>LEGEND / FIBER CONSTRUCTION</b>		
<i>SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.</i>		
129,090		1 1/4" HDPE Conduit
3,050'		Directional Drill
14,550'		Buried 48ct Fiber Cable
88,800'		Buried 96ct Fiber Cable
9,680'		Buried 144ct Fiber Cable
30,950'		Buried 2ct Drop Cable
46		Handhole (HH)
46		Route Marker
		Cabinet
		Service Location
		CO
1,090'		3" Galvanized Conduit
<b>PAGE INDEX</b>		
1	PLAN VIEW	
2	GENERAL CONSTRUCTION NOTES	
3	GENERAL CONSTRUCTION DETAIL	
4	CONSTRUCTION PLAN	



Malden / Pine City Overview

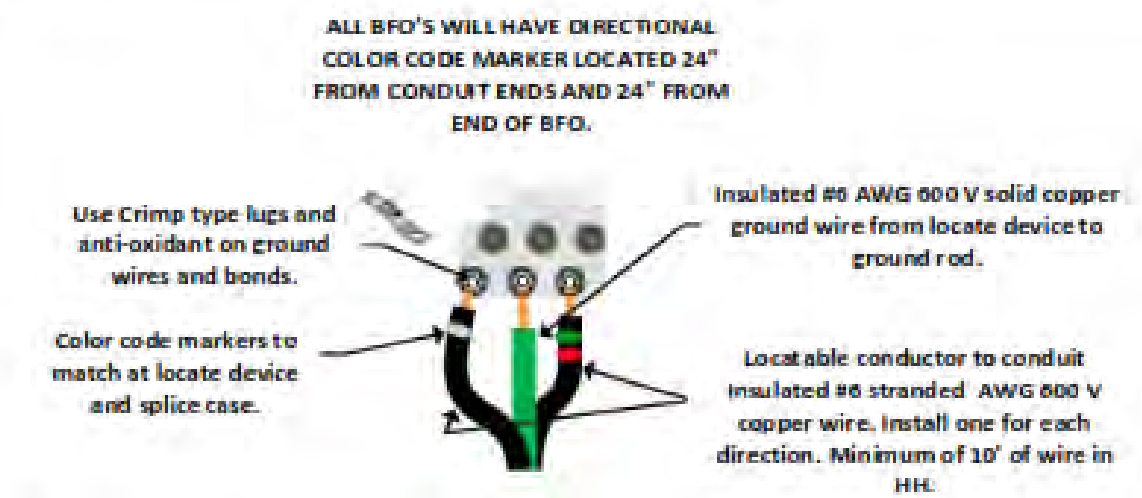


- Contractor is responsible for all permits except WSDOT, County Road, Railroad or water crossings. A copy of the permit shall always be onsite. Where permits from agencies are required, all work performed will comply with these agencies' standard specifications.
- Any change in project scope, including but not limited to, conduit placement, length, path, etc. MUST be approved by a Port of Whitman County representative.
- Restoration of all right-of-way or residential ground will be restored to original condition or better.
- Contractor is responsible for calling for locates and is responsible for repair and restoration of damaged utilities. Contractor is responsible to maintain 36" separation from all existing utilities.
- Follow all NESC construction guidelines.
- Contractor will have onsite all approved drawings and applicable permitting from the utility and/or state, county, city and railroad.
- It is the responsibility of the Contractor to provide adequate traffic control to ensure traffic safety during construction activities. All traffic control devices shall conform to the manual on uniform traffic control devices or as modified by the traffic engineer. All work requiring land closures must be preapproved. If temporary traffic controls involve City, County or Tribal roads, the Contractor shall contact the appropriate public works department.
- Contractor will provide conduit, locate wire, ground rods, and restoration.
- The Port of Whitman County will provide fiber optic cable, handholes, route markers, fiber distribution panels, splice cases, splice trays, splice cassettes, multitaps, network interface devices (NIDs),



RUS Standards  
Directional Color Code  
Use colored tape or zip ties

	ORANGE = NORTH
	GREEN = EAST
	BROWN = SOUTH
	SLATE = WEST



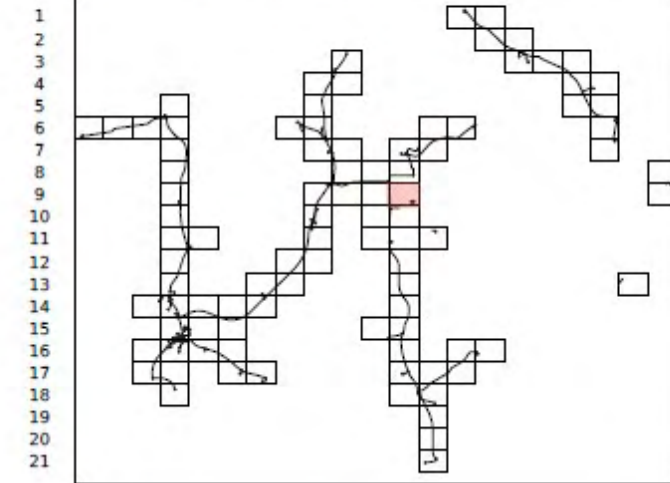
SEE SHEET L8



SEE SHEET K9

SEE SHEET L10

A B C D E F G H I J K L M N O P Q R S T U



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

200'		1 ¼" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
500'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet



SEE SHEET L9

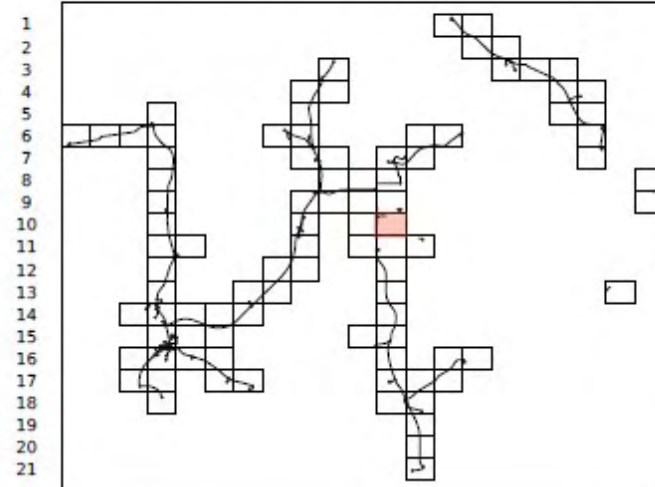


SEE SHEET K10

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SEE SHEET L11

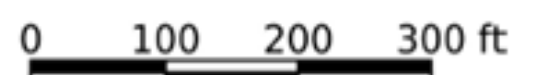
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**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

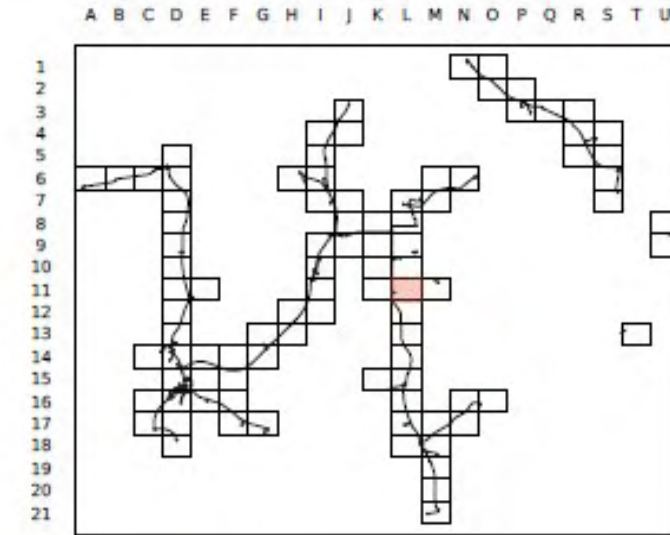
550'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
850'		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET L10



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

2,250'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
2,400'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
150'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet



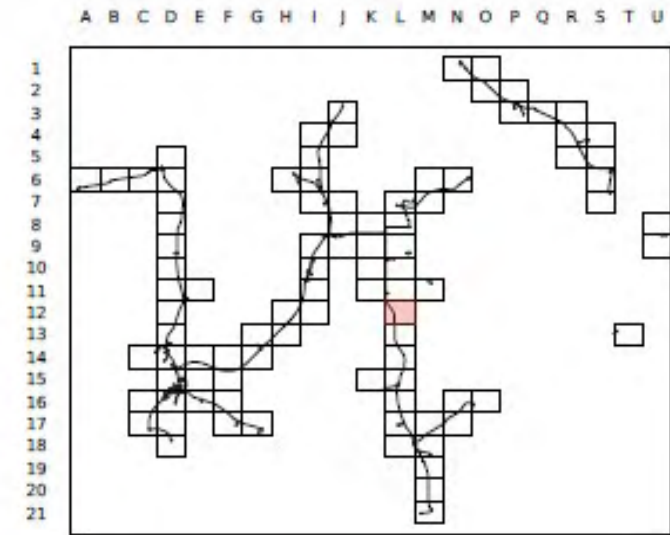
SEE SHEET K11

SEE SHEET M11

SEE SHEET L12



SEE SHEET L11



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO
100'		3" Galvanized Conduit

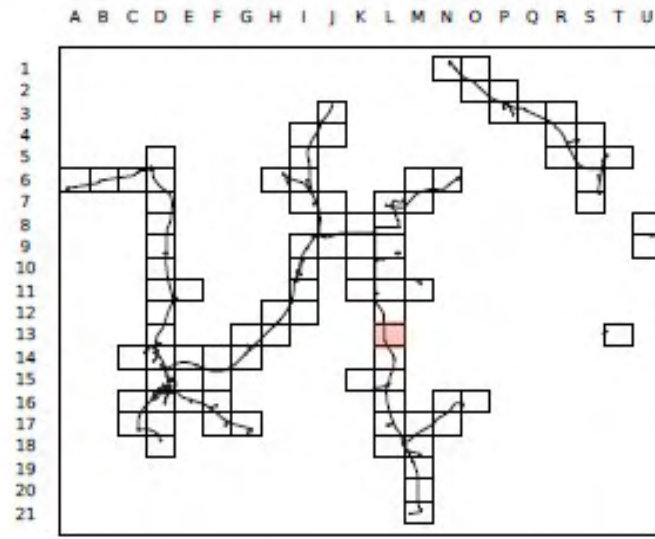
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Scale: 1 inch : 167 Feet



SEE SHEET L13

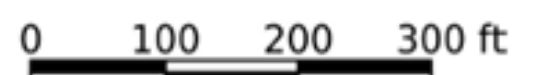
SEE SHEET L12



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

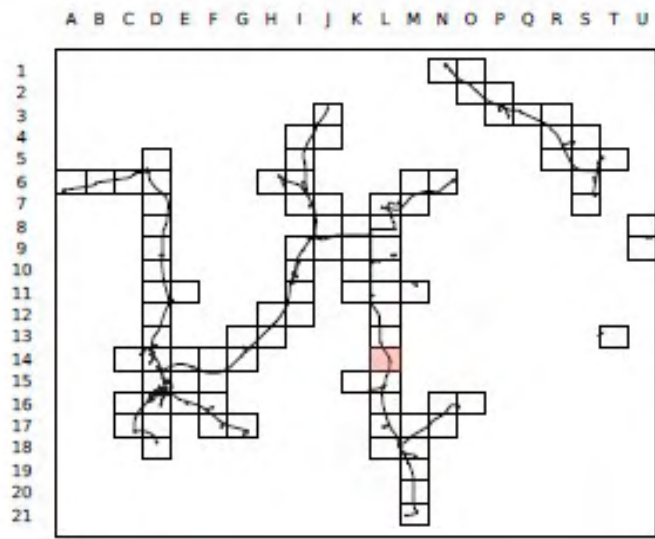


SEE SHEET L14

SEE SHEET L13



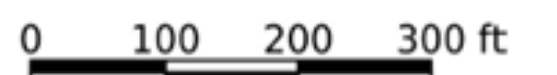
SEE SHEET L15



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



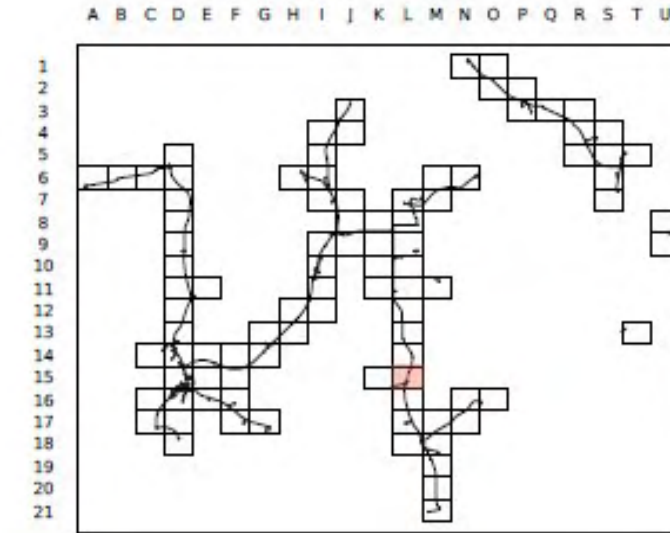
SEE SHEET L14



(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.



SEE SHEET K15



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

7,150'		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
6,350'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
950'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO
80'		3" Galvanized Conduit

0 100 200 300 ft

Scale: 1 inch : 167 Feet

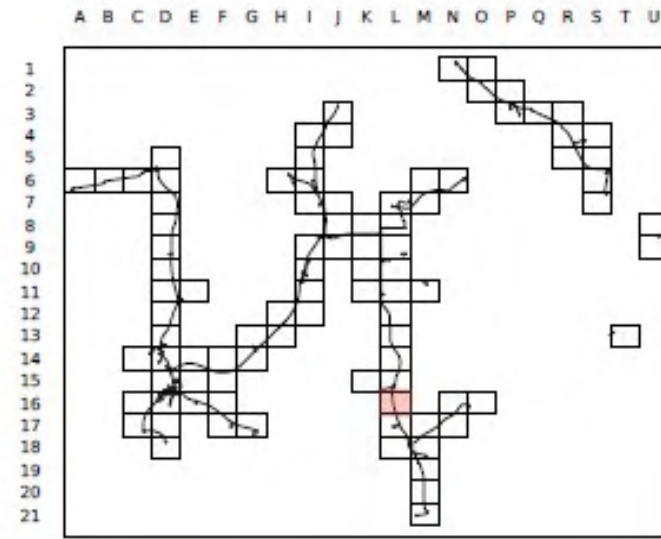


SEE SHEET L16

SEE SHEET L15



SEE SHEET L17



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet



SEE SHEET L16

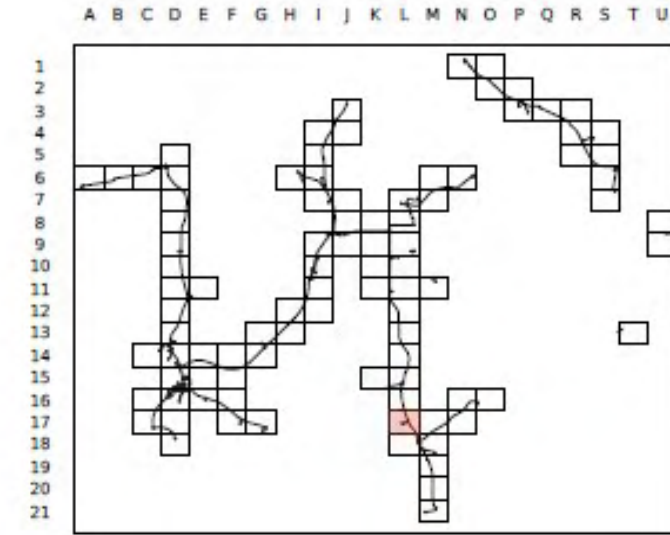


(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.

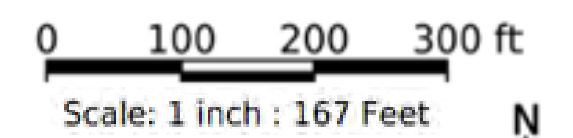
Install HH in road shoulder. Leave 150' slack in HH. Install route marker at HH.

SEE SHEET M17



**LEGEND / FIBER CONSTRUCTION**  
 SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

3,050'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
2,650'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
550'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



SEE SHEET L18

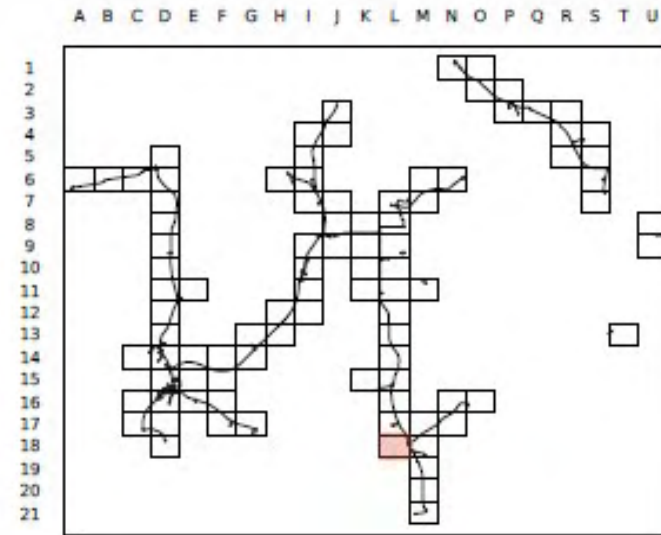
SEE SHEET L17



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

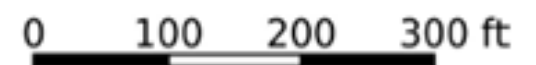
Install HH in road shoulder. Leave 150' slack in HH. Install route marker at HH.

SEE SHEET M18



**LEGEND / FIBER CONSTRUCTION**  
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

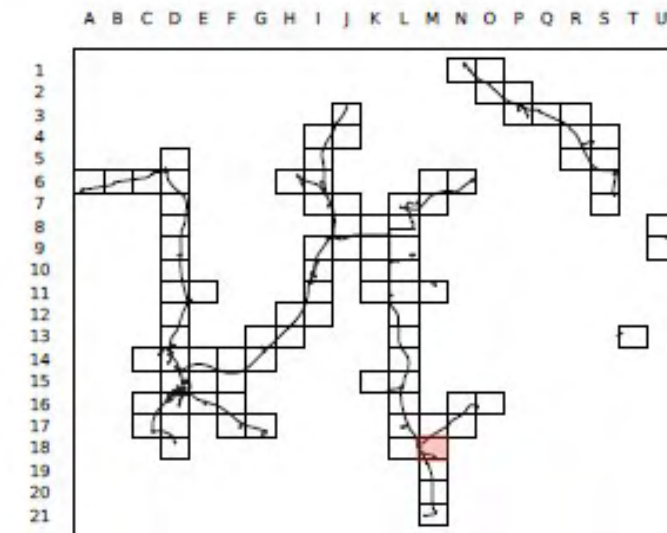
1,500'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
1,650'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



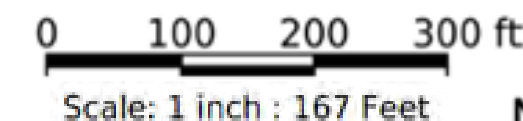
SEE SHEET M17



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

1,750'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
850'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
1,050'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



SEE SHEET L18

SEE SHEET M19

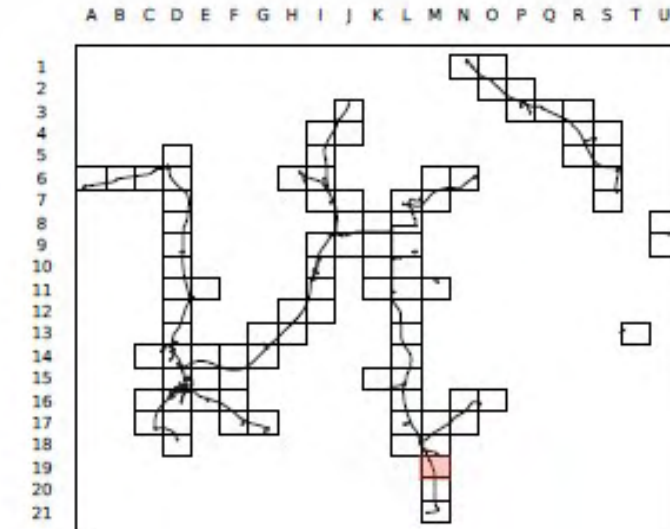


SEE SHEET M18



Directional Drill below  
 culvert 100' in road prism

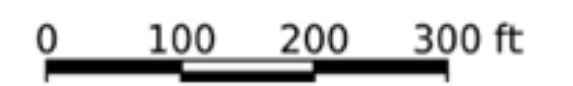
(1) Buried 48 strand fiber  
 optic cable inside (1) 1 1/4"  
 HDPE Conduit — Plow con-  
 duit in Rt wheel track at  
 min. 48" depth.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

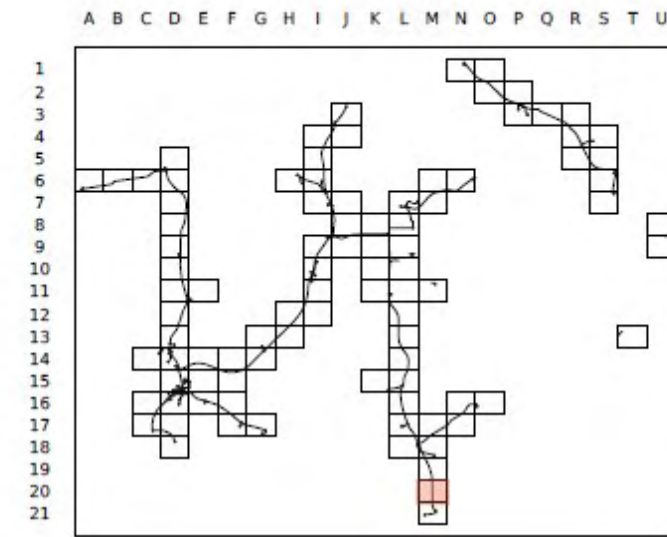


SEE SHEET M20

SEE SHEET M19



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet



SEE SHEET M21

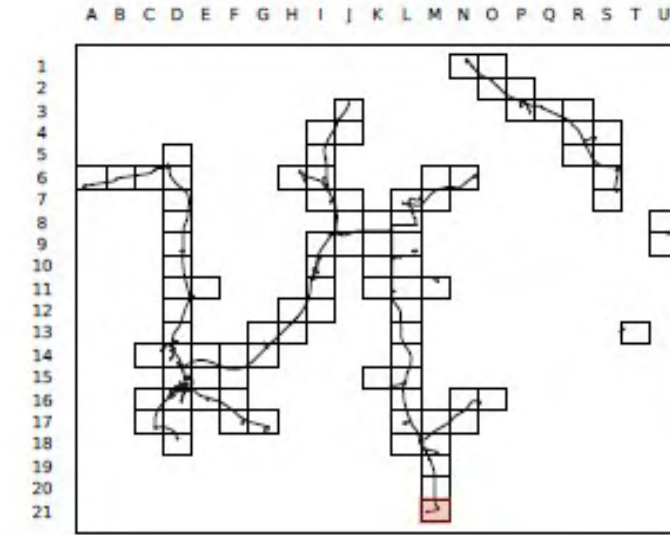
SEE SHEET M20



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

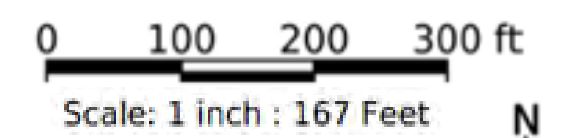
Install HH in road shoulder. Leave 150' slack in HH. Install route marker at HH.

(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.



**LEGEND / FIBER CONSTRUCTION**  
 SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

4,650'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
4,000'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
800'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

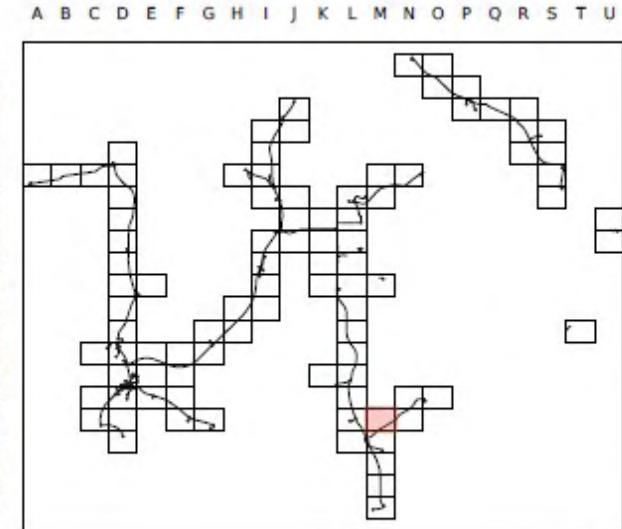




SEE SHEET L17

SEE SHEET N17

SEE SHEET M18



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

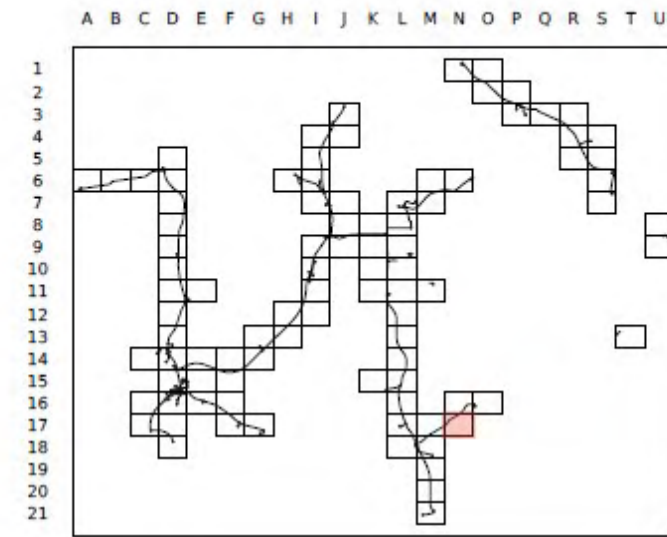
		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



SEE SHEET N16



SEE SHEET M17



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

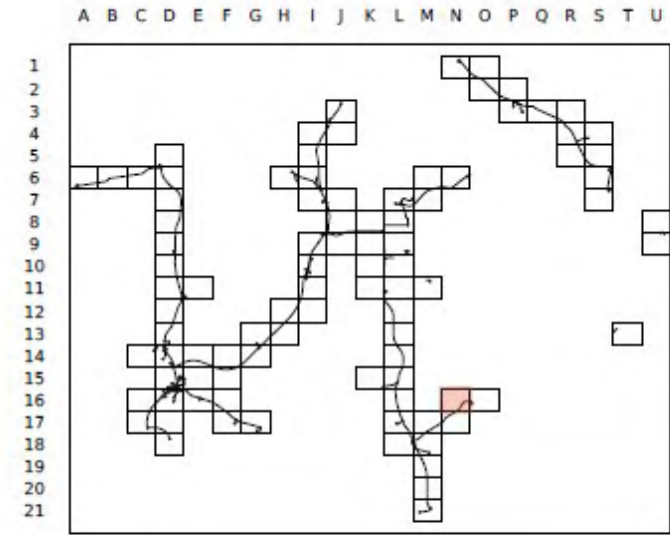
Scale: 1 inch : 167 Feet





(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

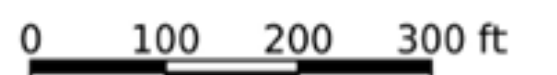
SEE SHEET 016



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

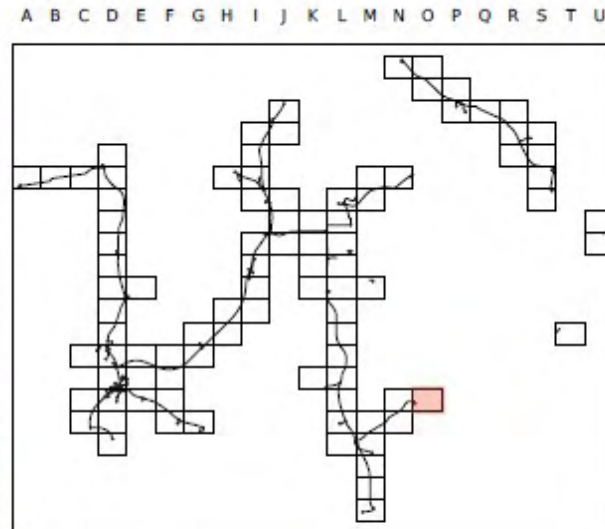
		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET N16



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

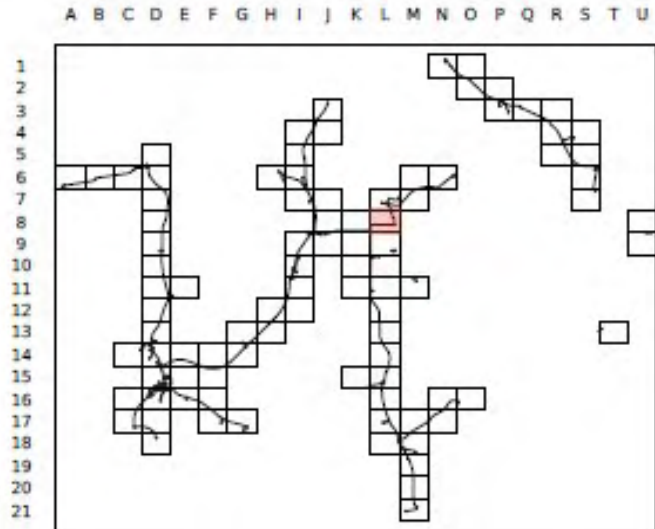
4,800'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
4,950'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
150'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET L7



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

3,650'		1 1/4" HDPE Conduit
100'		Directional Drill
2,150'		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
1,950'		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
2		Handhole (HH)
2		Route Marker
		Cabinet
		Service Location
		CO
160'		3" Galvanized Conduit

0 100 200 300 ft

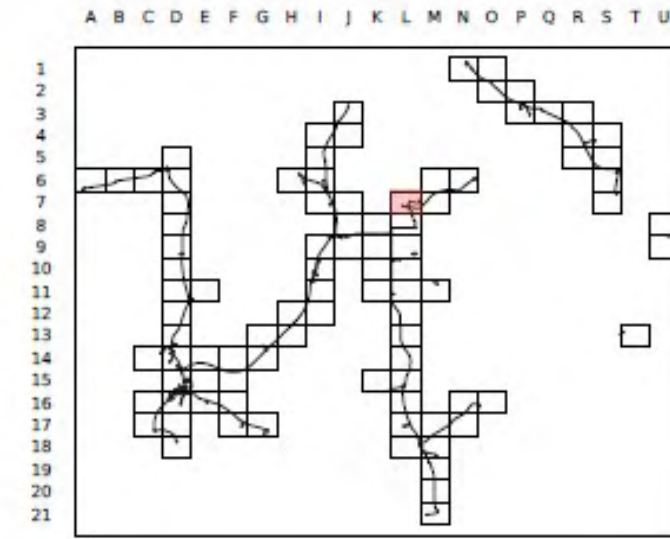
Scale: 1 inch : 167 Feet



SEE SHEET K8

SEE SHEET L9

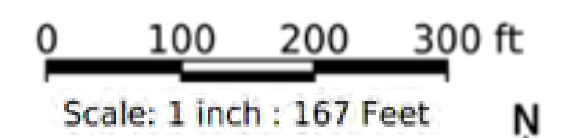




**LEGEND / FIBER CONSTRUCTION**  
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

3,250'		1 1/4" HDPE Conduit
50'		Directional Drill
1,650'		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
1,750'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

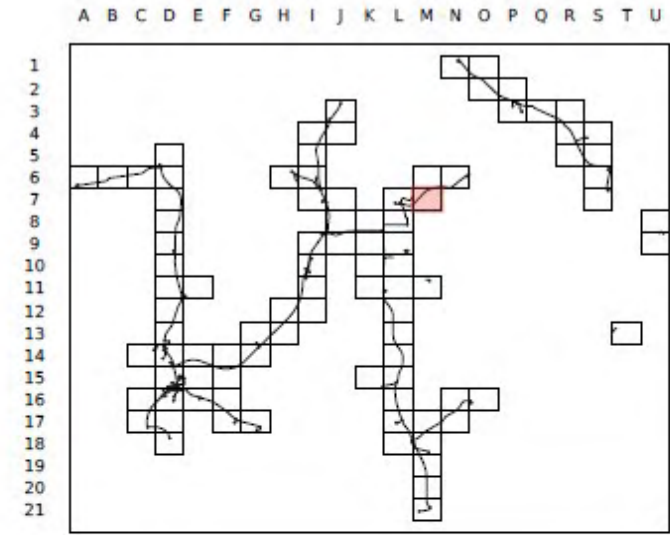
SEE SHEET M7



SEE SHEET M6



(1) Buried 24 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

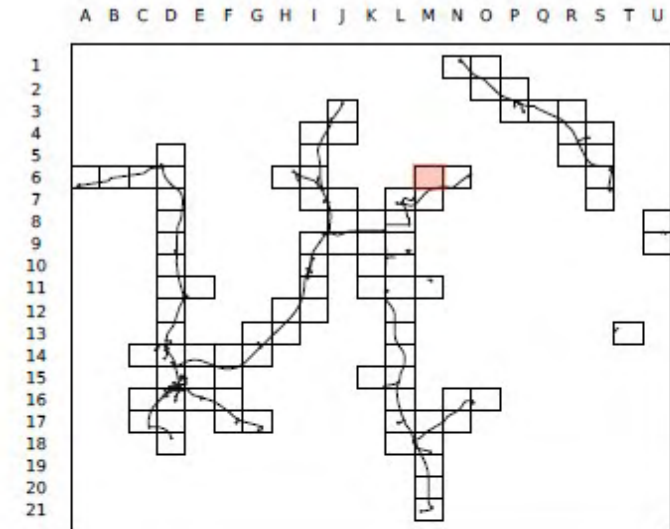
Scale: 1 inch : 167 Feet



SEE SHEET L7



SEE SHEET N6



**LEGEND / FIBER CONSTRUCTION**

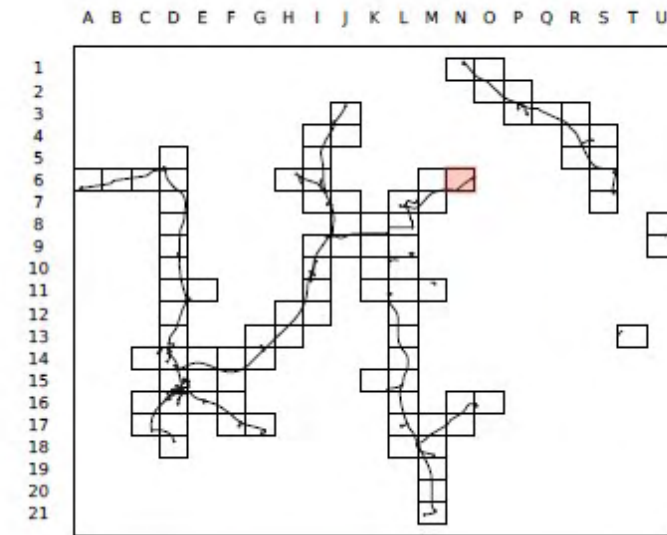
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet

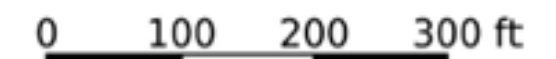




**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

5,050'		1 1/4" HDPE Conduit
		Directional Drill
5,000'		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
200'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

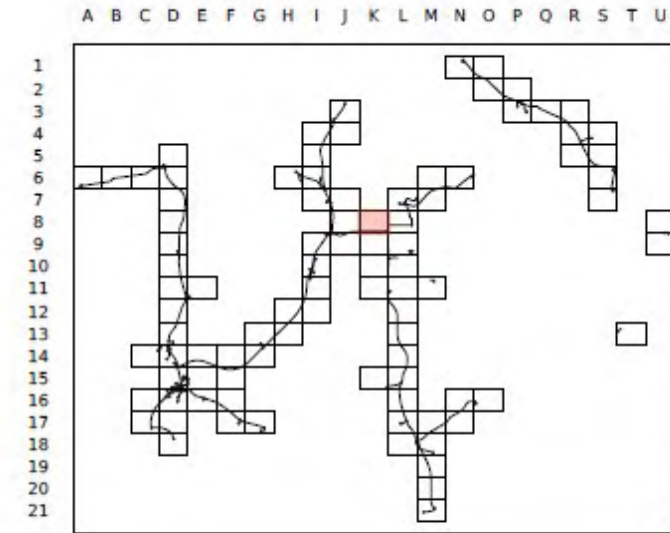


SEE SHEET M6



SEE SHEET J8

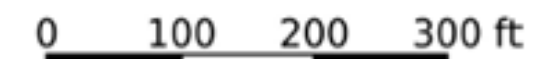
SEE SHEET L8



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

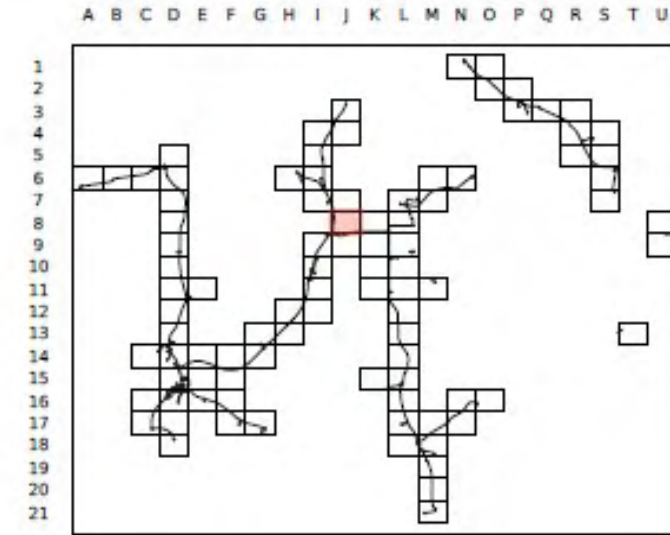


**Petrichor**  
broadband

SEE SHEET J7



SEE SHEET K8



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
200'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
3,750'		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

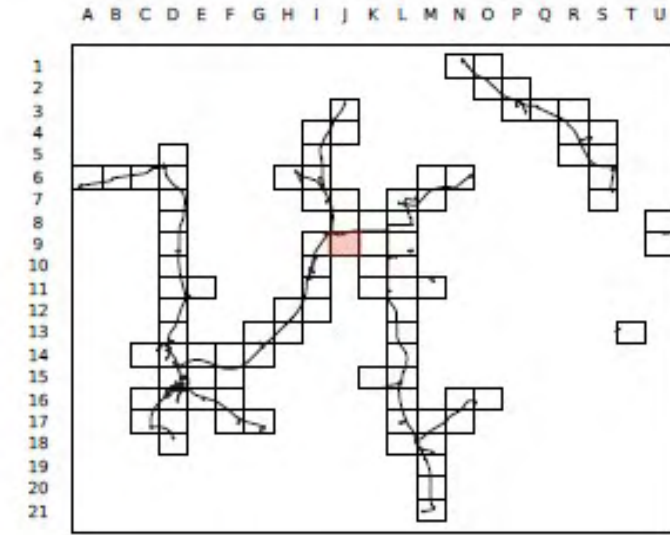
Scale: 1 inch : 167 Feet



**Petrichor**  
broadband

SEE SHEET J9

SEE SHEET J8

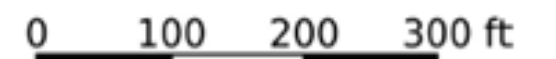


**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO
250'		3" Galvanized Conduit

SEE SHEET K9



Scale: 1 inch : 167 Feet



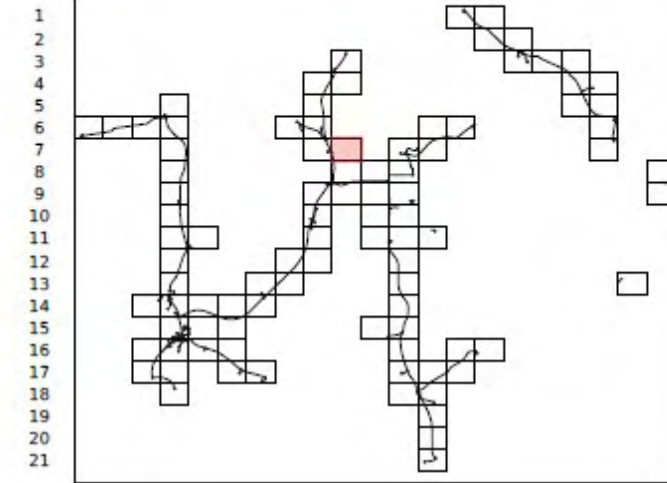


SEE SHEET I7

Install HH in road shoulder.  
 Leave 150' slack in HH. Install  
 route marker at HH.

(1) Buried 48 strand fiber  
 optic cable inside (1) 1 1/4"  
 HDPE Conduit — Plow fiber  
 in road shoulder at 48"  
 depth

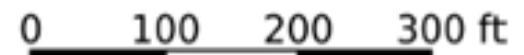
A B C D E F G H I J K L M N O P Q R S T U



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

1,950'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
2,100'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet





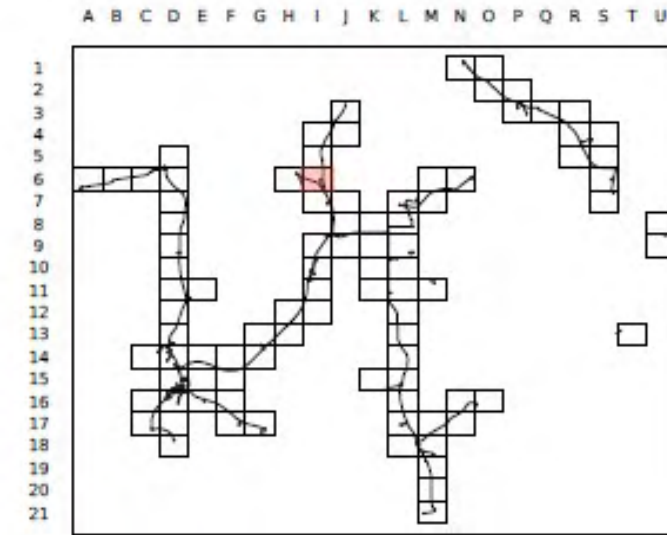


SEE SHEET 15



SEE SHEET H6

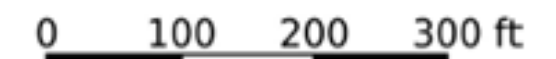
SEE SHEET 17



**LEGEND / FIBER CONSTRUCTION**

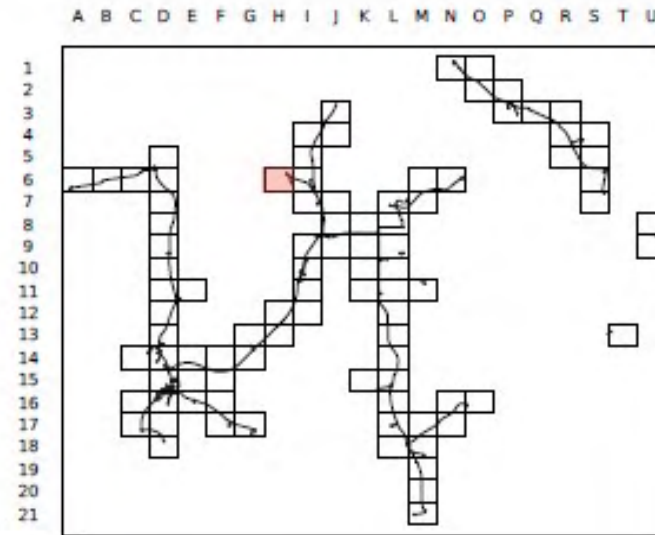
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

900'		1 1/4" HDPE Conduit
		Directional Drill
450'		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
600'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet





**LEGEND / FIBER CONSTRUCTION**  
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

2,550'		1 1/4" HDPE Conduit
100'		Directional Drill
1,750'		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
950'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

SEE SHEET I6



Scale: 1 inch : 167 Feet

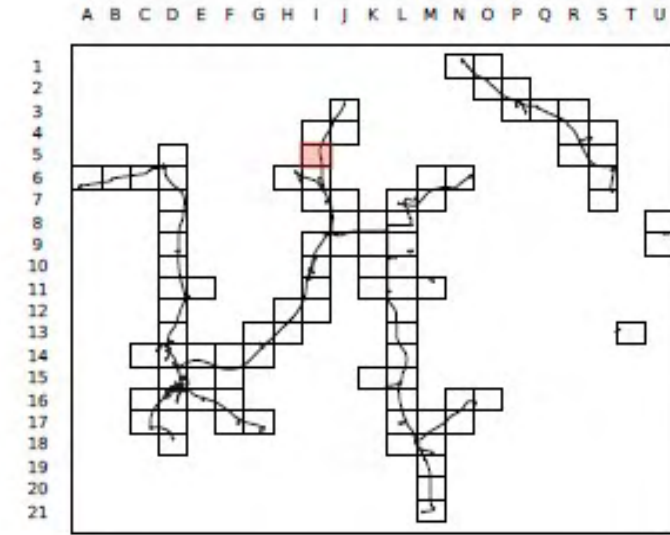


SEE SHEET 14



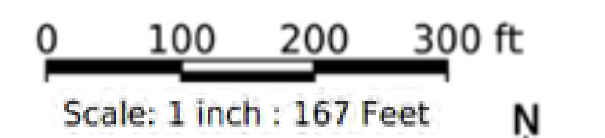
(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow fiber in road shoulder at 48" depth

Directional Drill below culvert 100' in road prism



**LEGEND / FIBER CONSTRUCTION**  
 SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

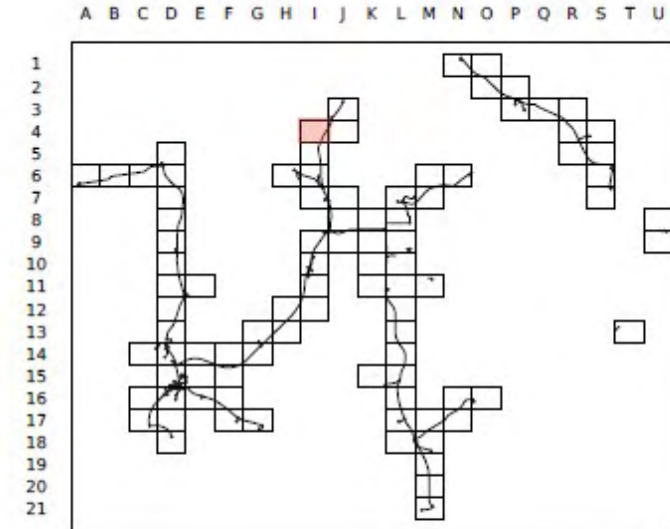


SEE SHEET 16



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow fiber in road shoulder at 48" depth

SEE SHEET J4



**LEGEND / FIBER CONSTRUCTION**  
 SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



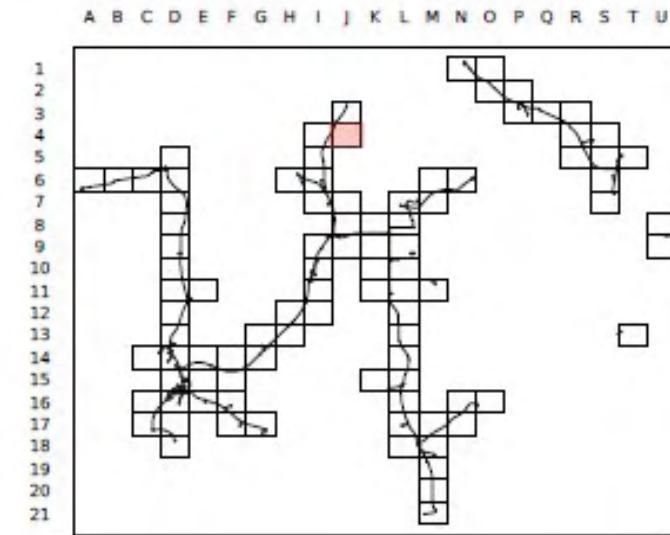
Scale: 1 inch : 167 Feet



SEE SHEET J3



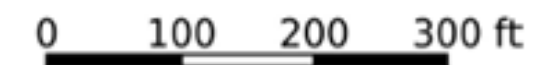
SEE SHEET I4



**LEGEND / FIBER CONSTRUCTION**

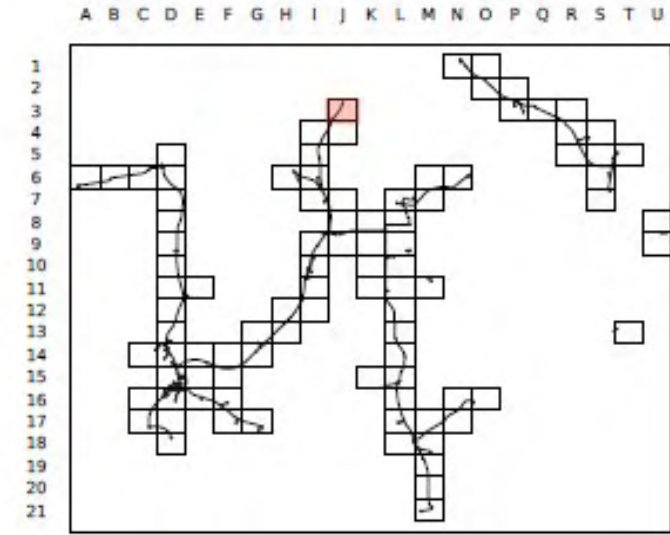
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 ¼" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

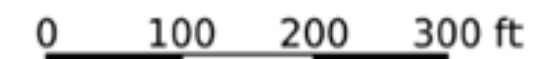




**LEGEND / FIBER CONSTRUCTION**

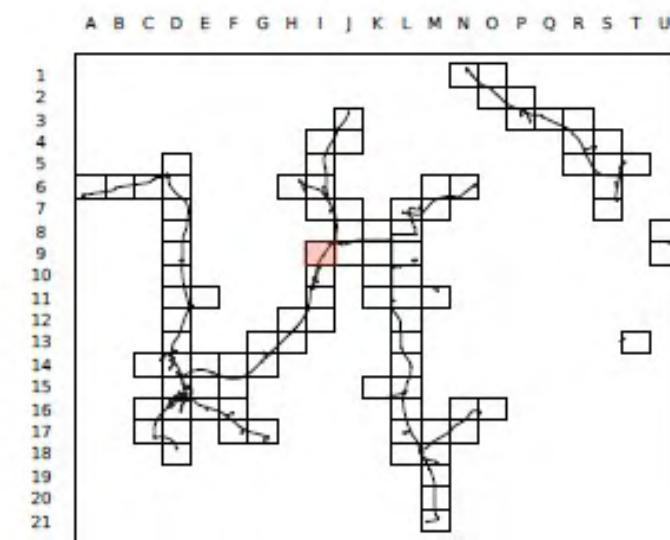
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

6,000'		1 ¼" HDPE Conduit
200'		Directional Drill
		Buried 24ct Fiber Cable
4,850'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
1,300'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

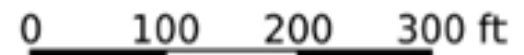




**LEGEND / FIBER CONSTRUCTION**  
 SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

500'		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
500'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

SEE SHEET J9

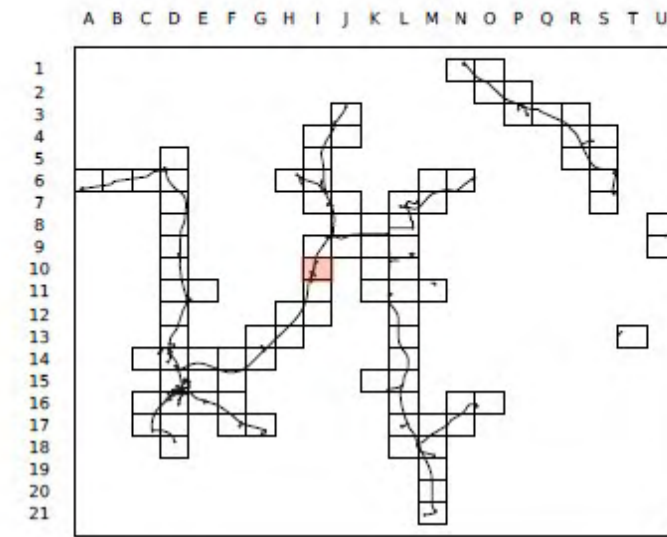


Scale: 1 inch : 167 Feet





SEE SHEET I9



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

4,170'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
3,070'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
1,400'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet

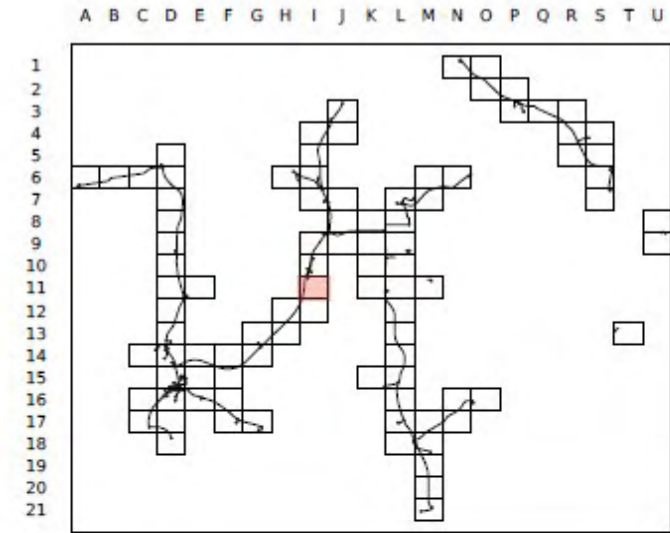


SEE SHEET I10



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow fiber in road shoulder at 48" depth

(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

700'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
700'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet

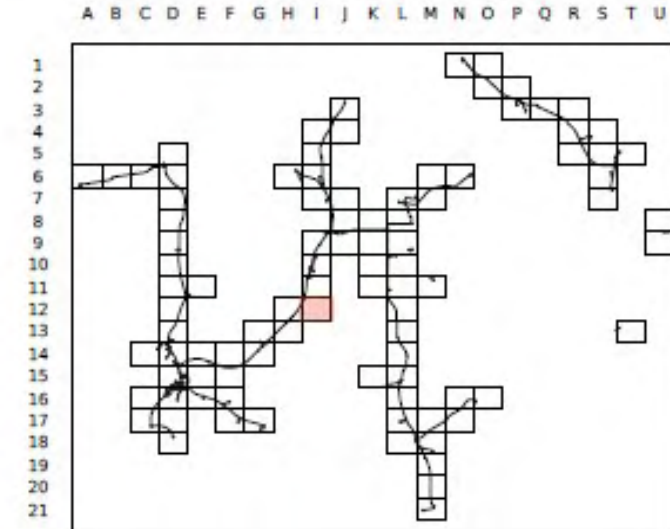


SEE SHEET I12

SEE SHEET I11



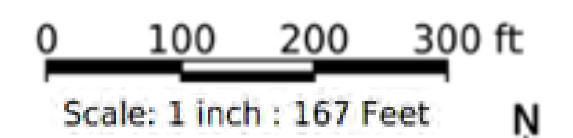
SEE SHEET H12

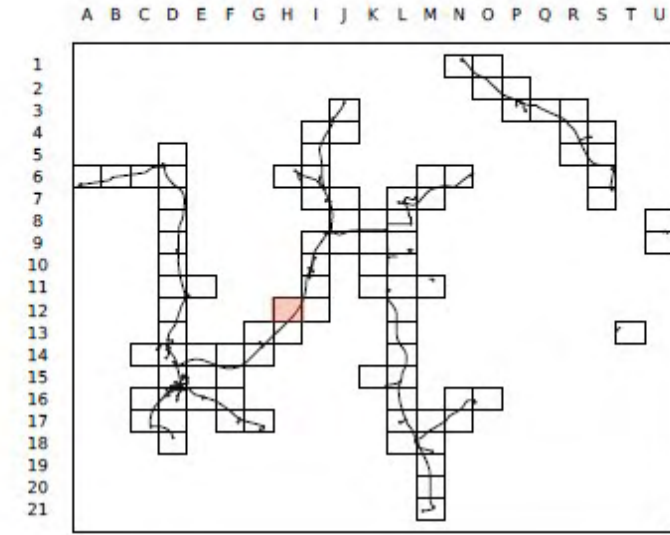


**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO





SEE SHEET 112

**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 ¼" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



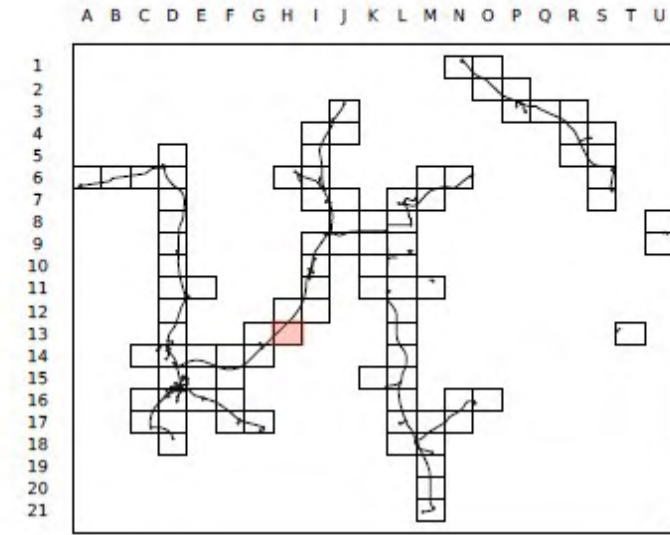
Scale: 1 inch : 167 Feet



SEE SHEET H12



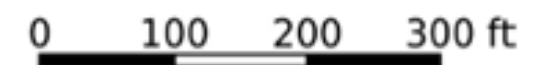
SEE SHEET G13



**LEGEND / FIBER CONSTRUCTION**

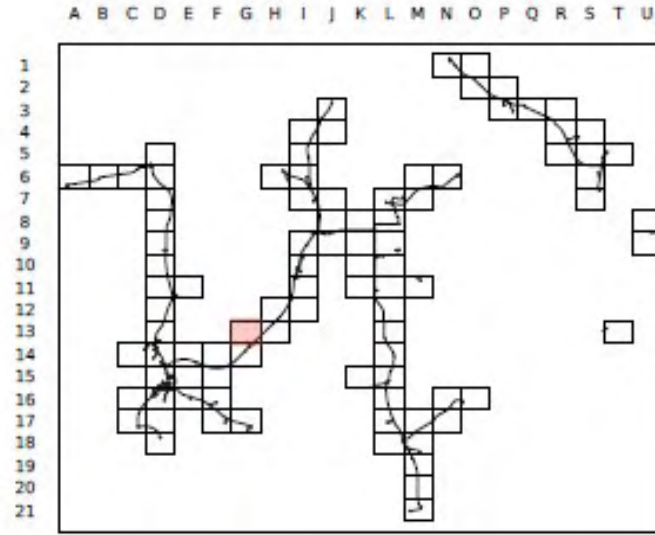
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 ¼" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet





**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

300'		1 ¼" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
300'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

SEE SHEET H13



Scale: 1 inch : 167 Feet



SEE SHEET G13



(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.

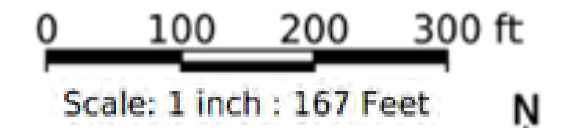
(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow fiber in road shoulder at 48" depth

Install HH in road shoulder. Leave 150' slack in HH. Install route marker at HH.

Directional Drill below culvert 100' in road prism



LEGEND / FIBER CONSTRUCTION		
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.		
6,000'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
6,300'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

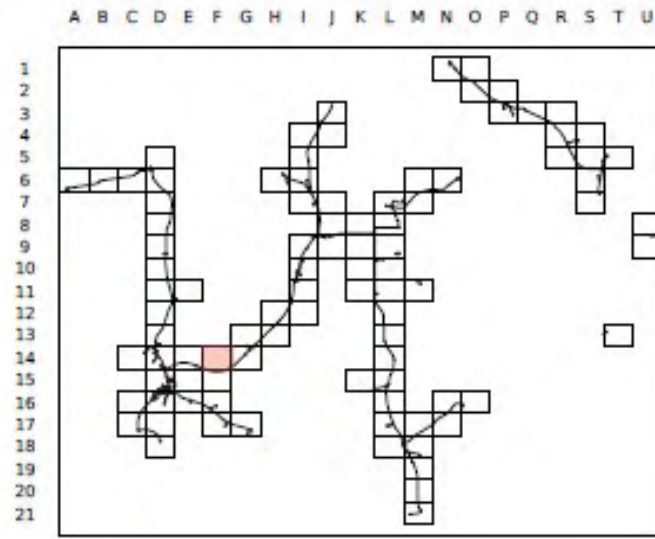


SEE SHEET F14



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow fiber in road shoulder at 48" depth

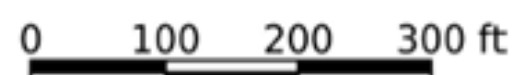
Directional Drill below culvert 100' in rad prism



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET E14

SEE SHEET G14



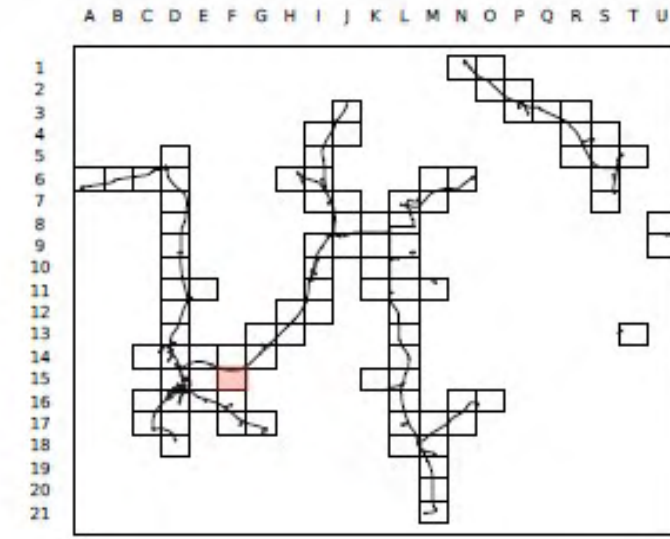
SEE SHEET F14



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow fiber in road shoulder at 48" depth

SEE SHEET E15

SEE SHEET F16



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



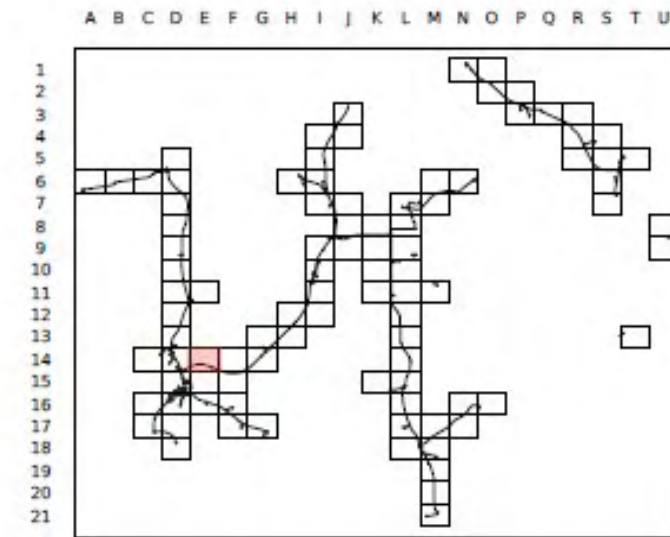
Scale: 1 inch : 167 Feet





SEE SHEET D14

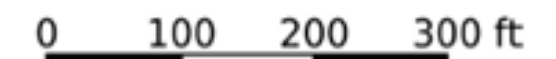
SEE SHEET F14



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

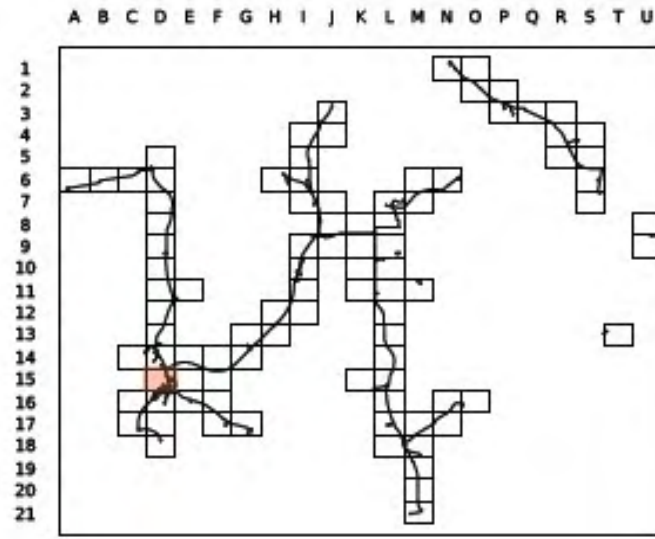
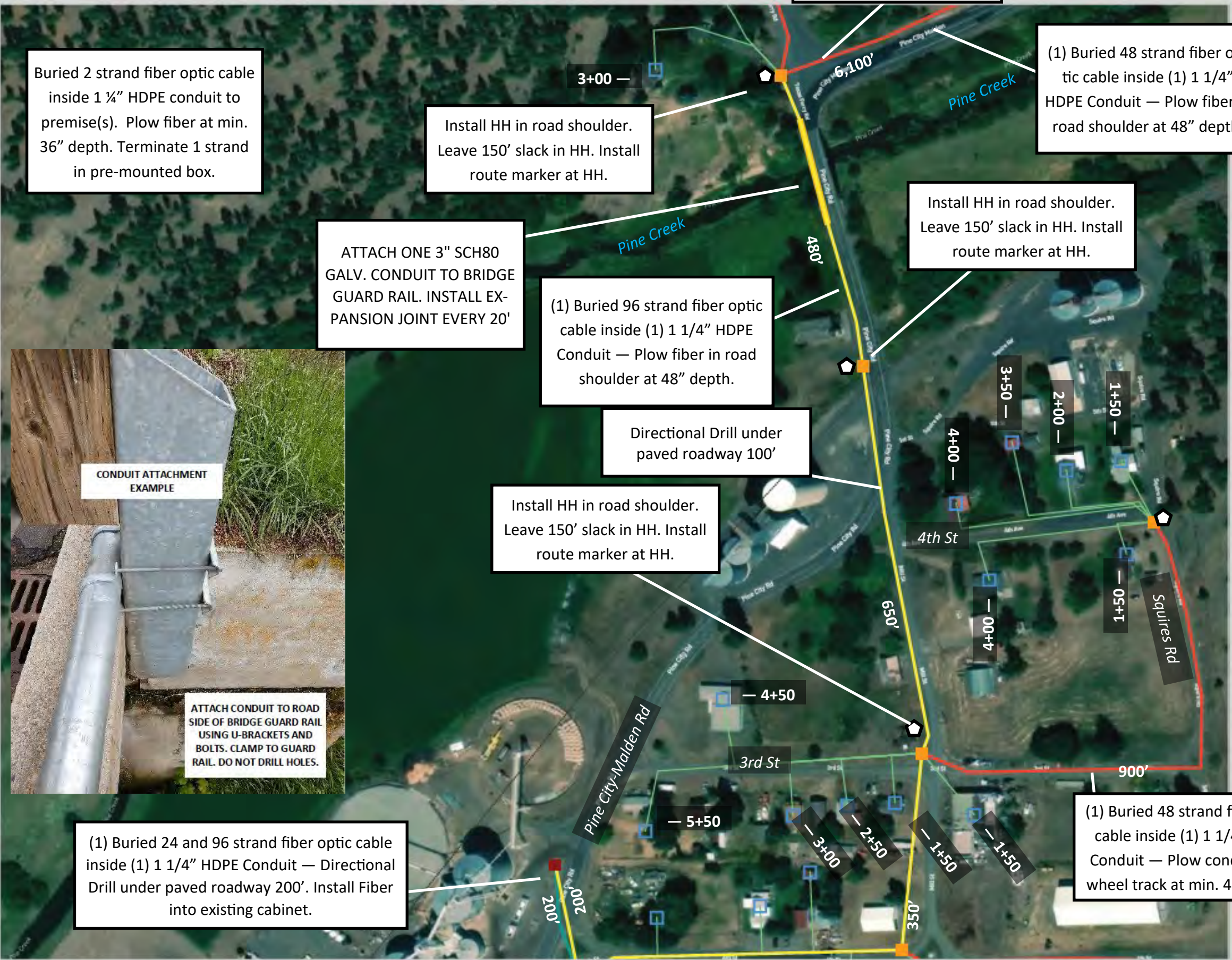
		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET D14



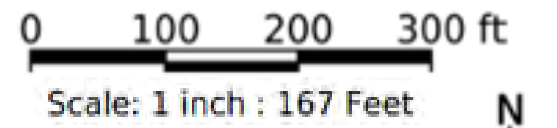
**LEGEND / FIBER CONSTRUCTION**

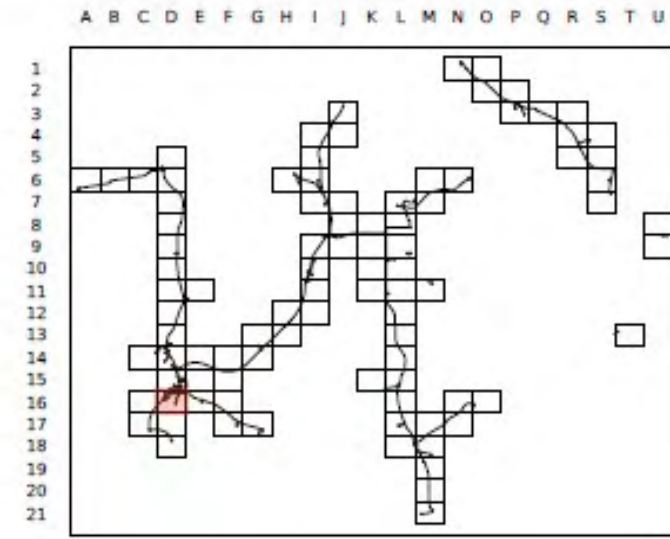
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

8,680'		1 1/4" HDPE Conduit
300'		Directional Drill
350'		Buried 24ct Fiber Cable
7,600'		Buried 48ct Fiber Cable
2,430'		Buried 96ct Fiber Cable
3,800'		Buried 2ct Drop Cable
4		Handhole (HH)
4		Route Marker
		Cabinet
		Service Location
		CO
200'		3" Galvanized Conduit

SEE SHEET E15

SEE SHEET D16



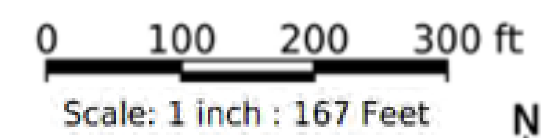


**LEGEND / FIBER CONSTRUCTION**  
 SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

4,800'		1 1/4" HDPE Conduit
100'		Directional Drill
750'		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
700'		Buried 96ct Fiber Cable
3,650'		Buried 2ct Drop Cable
4		Handhole (HH)
4		Route Marker
		Cabinet
		Service Location
		CO

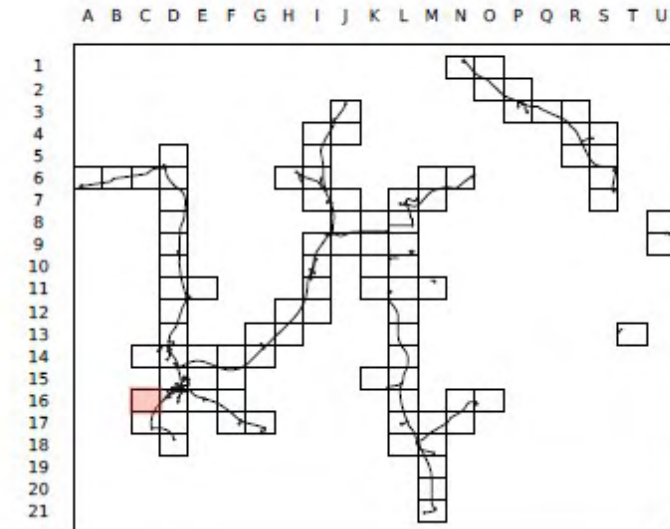
SEE SHEET E16

SEE SHEET C16





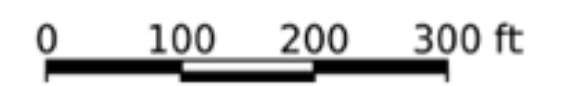
SEE SHEET D16



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

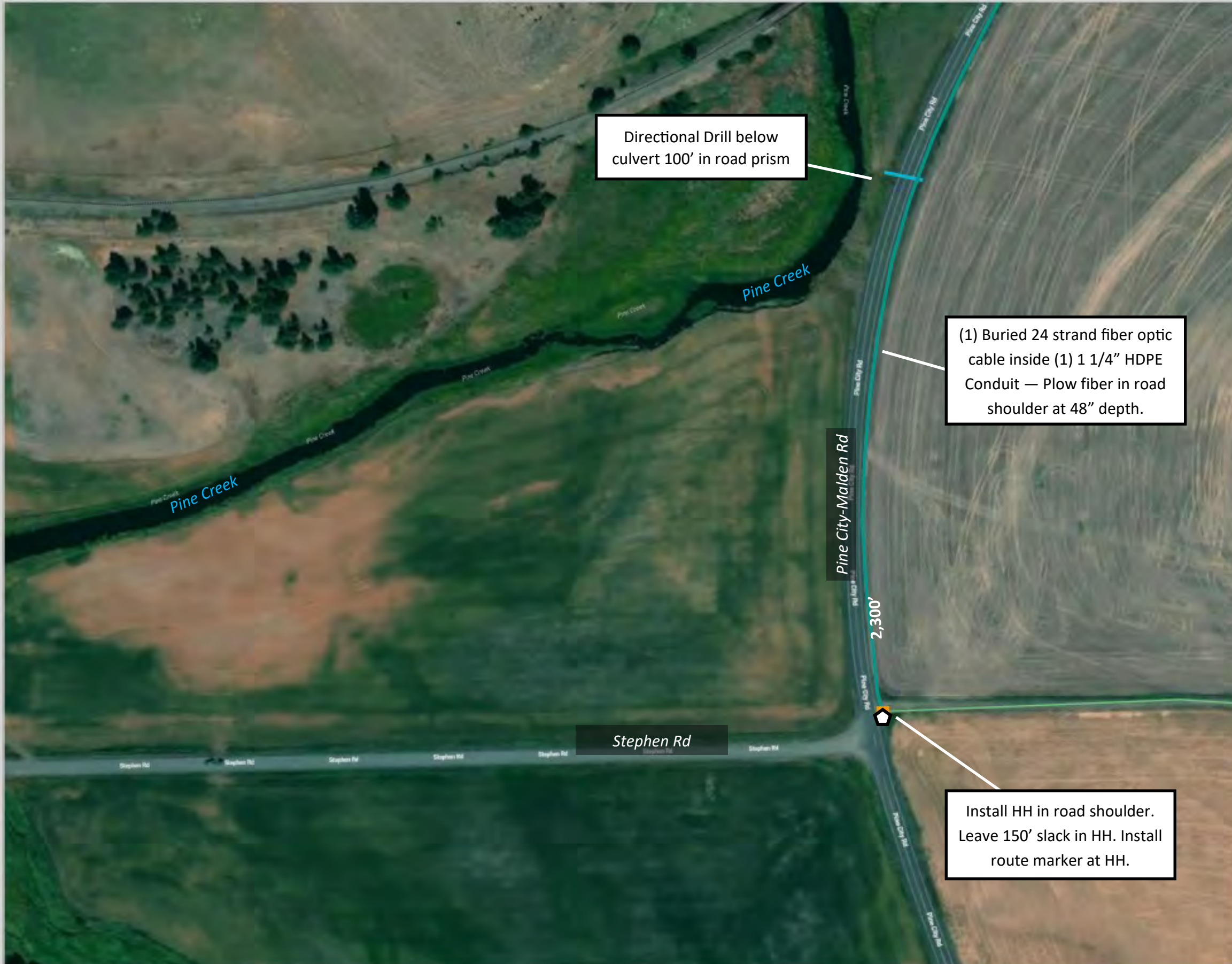
		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET C16

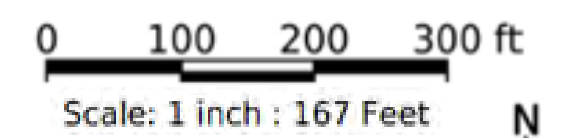


**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

2,300'		1 1/4" HDPE Conduit
100'		Directional Drill
2,450'		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

SEE SHEET D17

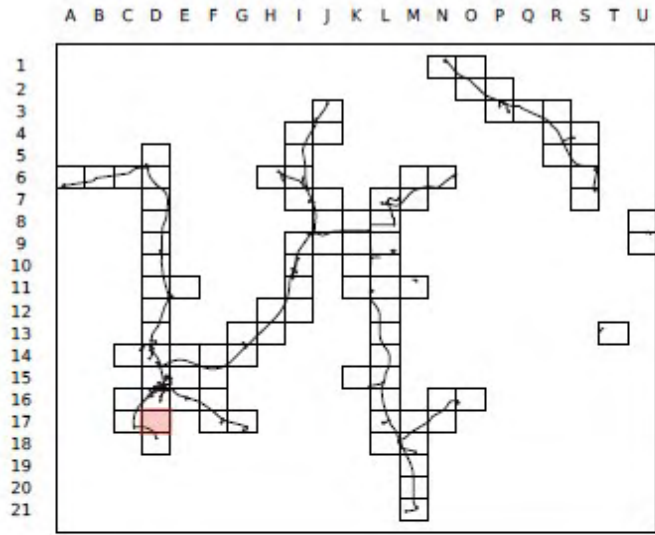


SEE SHEET D16



SEE SHEET C17

SEE SHEET D18



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

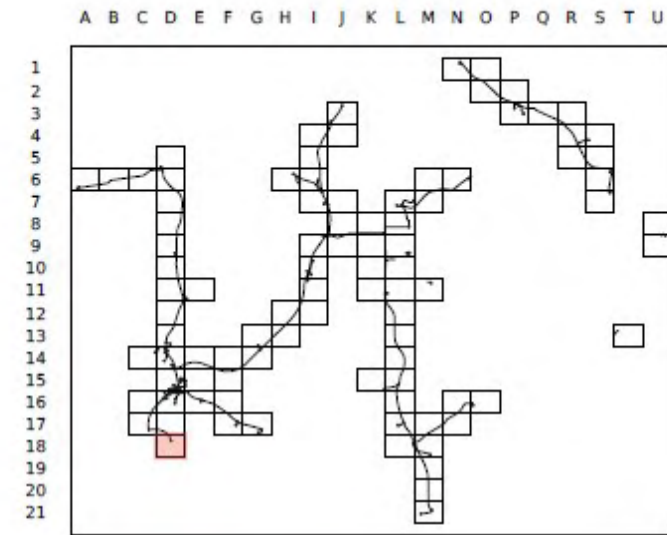
		1 ¼" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet



SEE SHEET D17



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

1,800'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
1,800'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

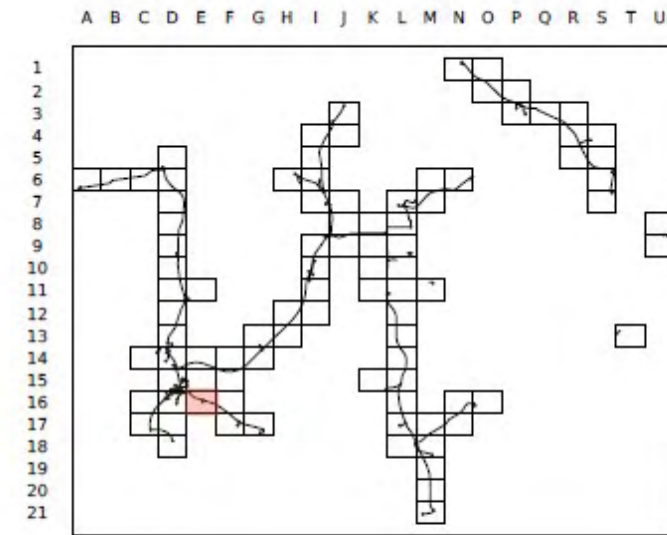
0 100 200 300 ft

Scale: 1 inch : 167 Feet





SEE SHEET E15



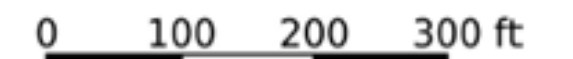
**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

1,760'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
1,800'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
100'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

SEE SHEET F16

SEE SHEET D16

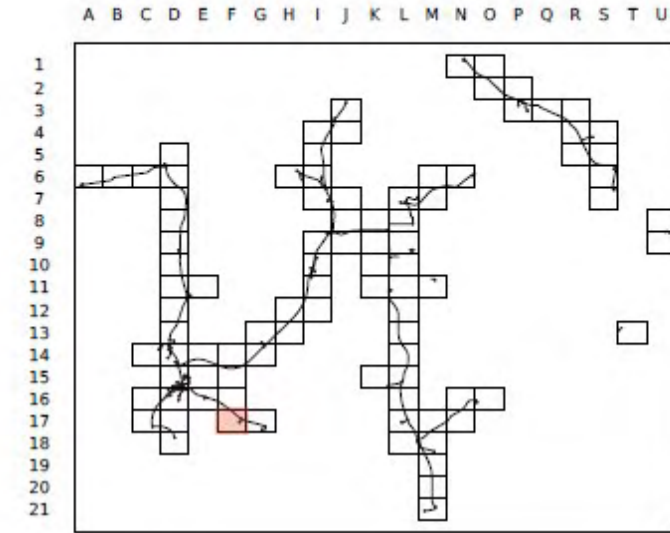


Scale: 1 inch : 167 Feet





SEE SHEET F16



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

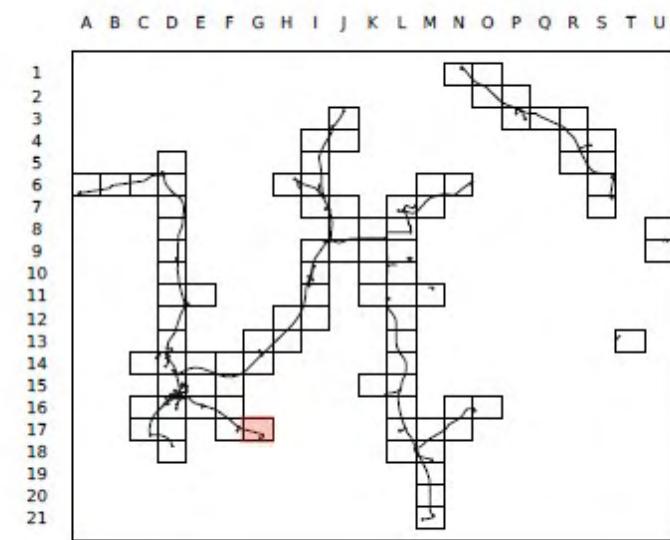
1,800'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
400'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

SEE SHEET G17

0 100 200 300 ft

Scale: 1 inch : 167 Feet





SEE SHEET F17



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

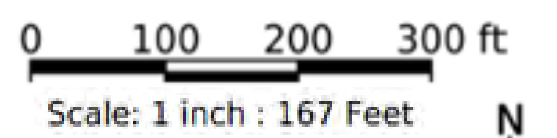
Install HH in road shoulder. Leave 150' slack in HH. Install route marker at HH.

(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.

**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

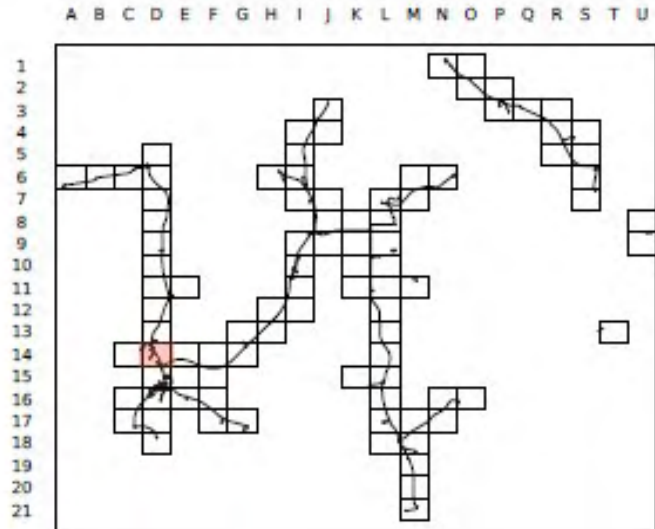
2,050'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
1,750'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
450'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



SEE SHEET D13



Buried 2 strand fiber optic cables inside 1 1/4" HDPE conduit to premise (s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

4,260'		1 1/4" HDPE Conduit
500'		Directional Drill
		Buried 24ct Fiber Cable
1,960'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
2,750'		Buried 2ct Drop Cable
2		Handhole (HH)
2		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



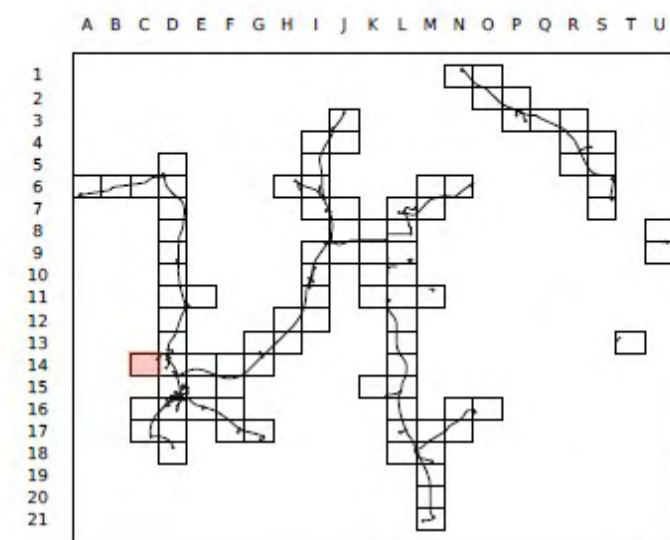
SEE SHEET C14

SEE SHEET E14

SEE SHEET D15



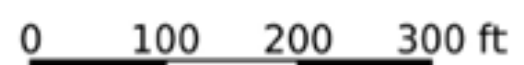
SEE SHEET D14



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

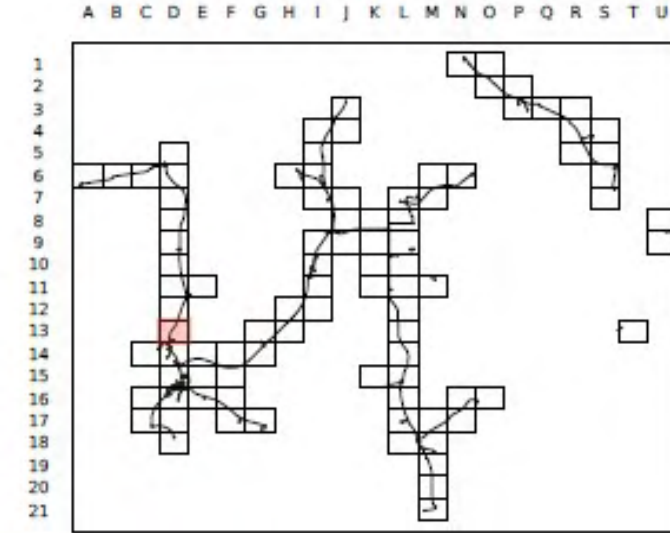
		1 ¼" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET D12



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

650'		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
500'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
300'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

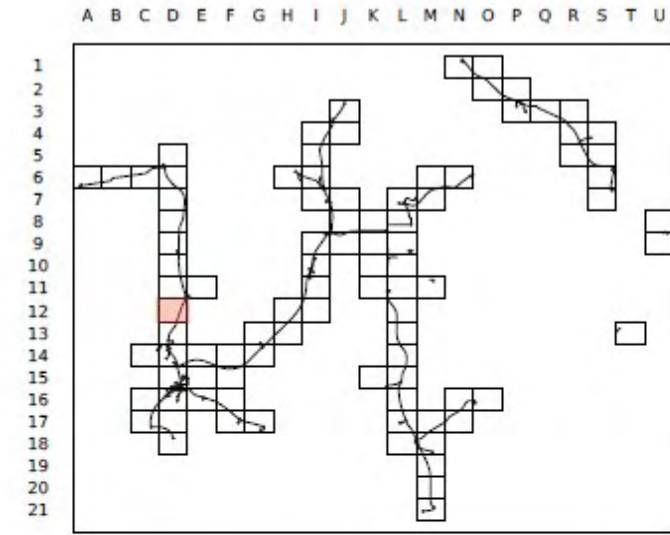


SEE SHEET D14

SEE SHEET D11



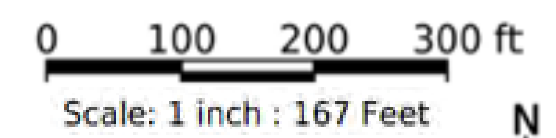
(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



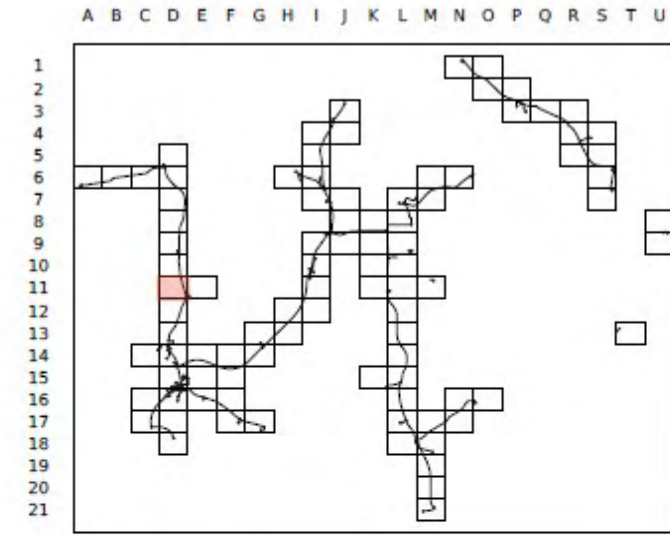
SEE SHEET D13



SEE SHEET D10



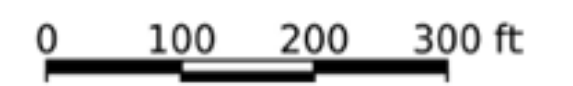
SEE SHEET E11



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

3,000'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
3,150'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



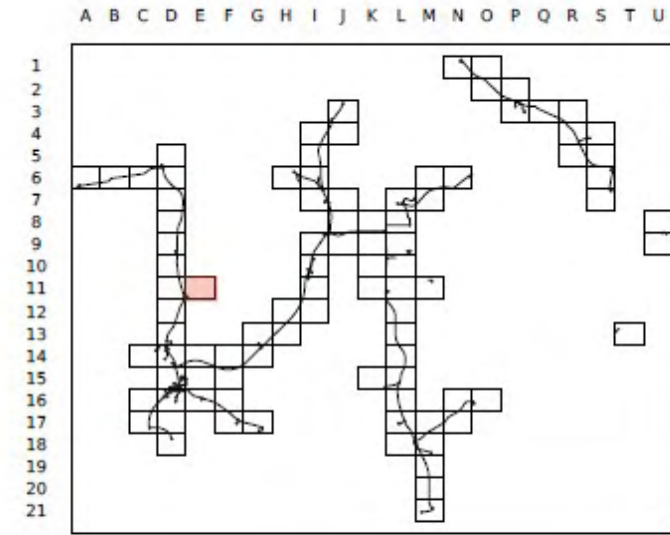
SEE SHEET D12



SEE SHEET D11

(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.

- 2+50



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

250'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
250'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet

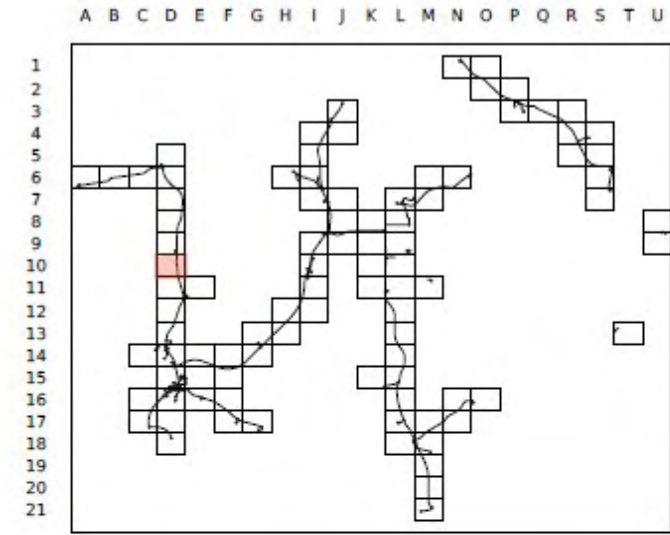


SEE SHEET D9



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

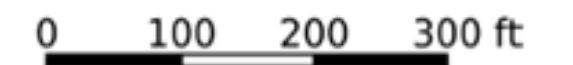
Texas Ferry Rd



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

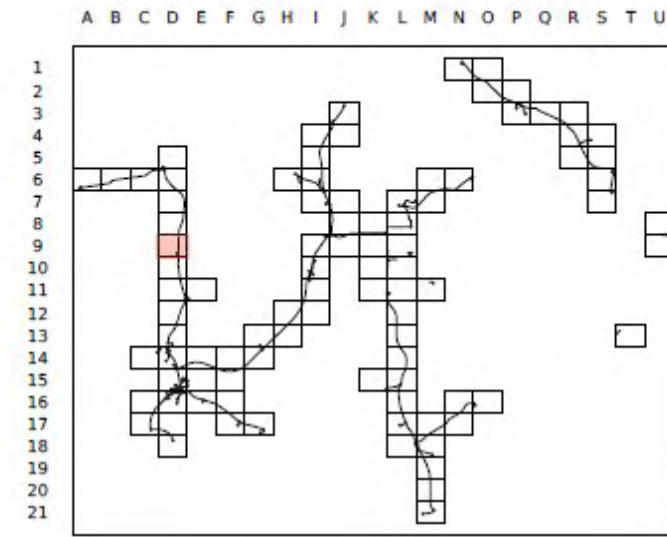


SEE SHEET D11

SEE SHEET D8



SEE SHEET D10



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

3,100'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
3,150'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
100'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet

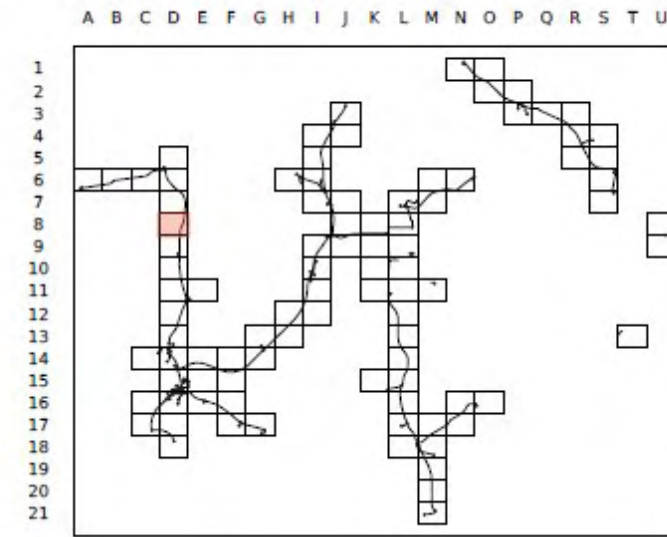


SEE SHEET D7



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

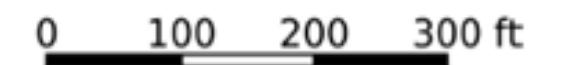
Texas Ferry Rd



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

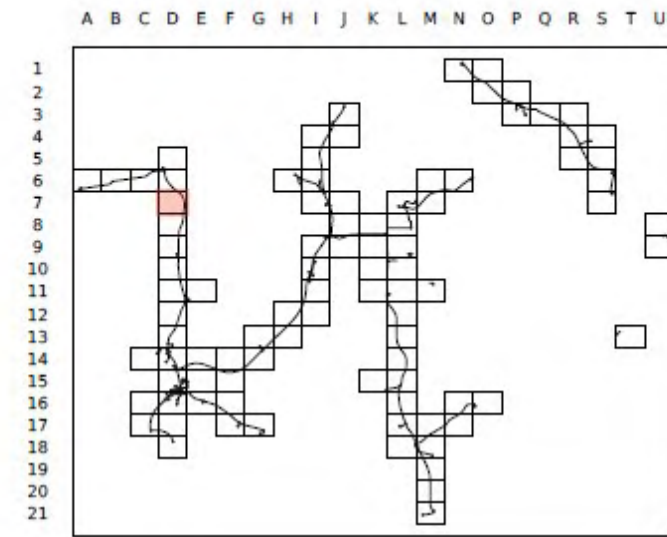


SEE SHEET D9

SEE SHEET D6



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

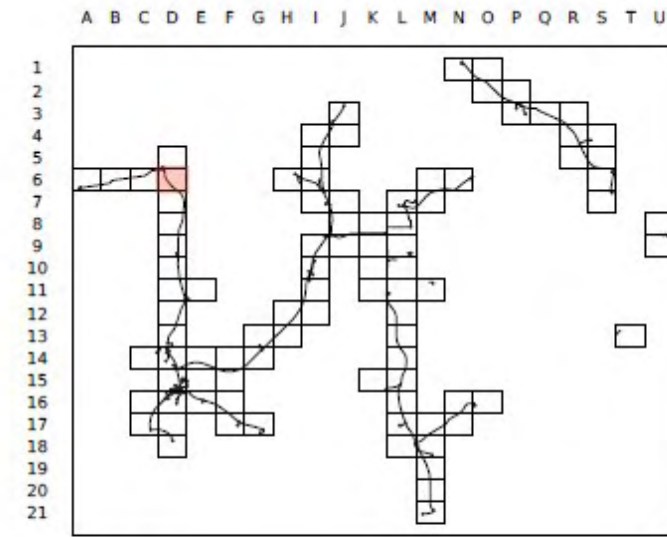
0 100 200 300 ft

Scale: 1 inch : 167 Feet



SEE SHEET D8

SEE SHEET D5



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

5,800'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
5,950'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet



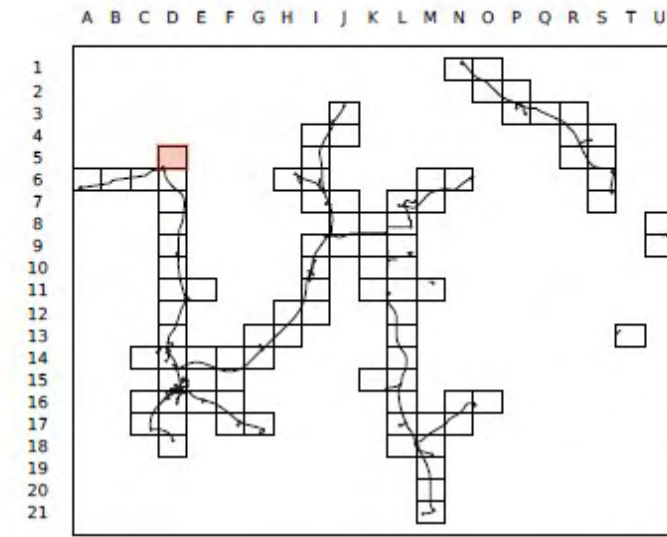
SEE SHEET C6

SEE SHEET D7



(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.

— 2+50



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

250'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
250'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet

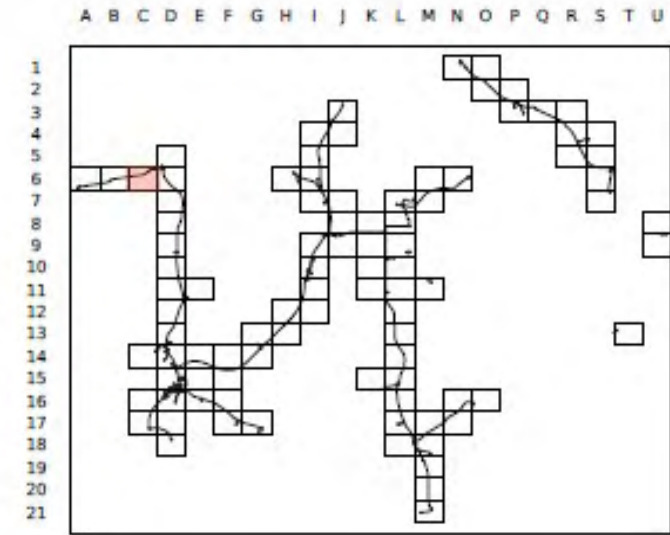






SEE SHEET B6

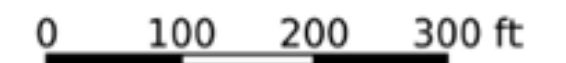
SEE SHEET D6



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



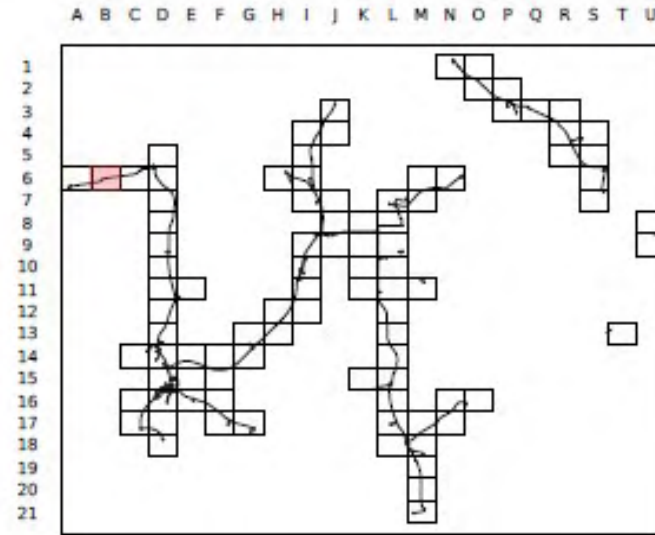
Scale: 1 inch : 167 Feet





SEE SHEET A6

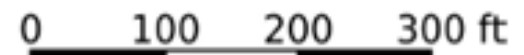
SEE SHEET C6



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 ¼" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

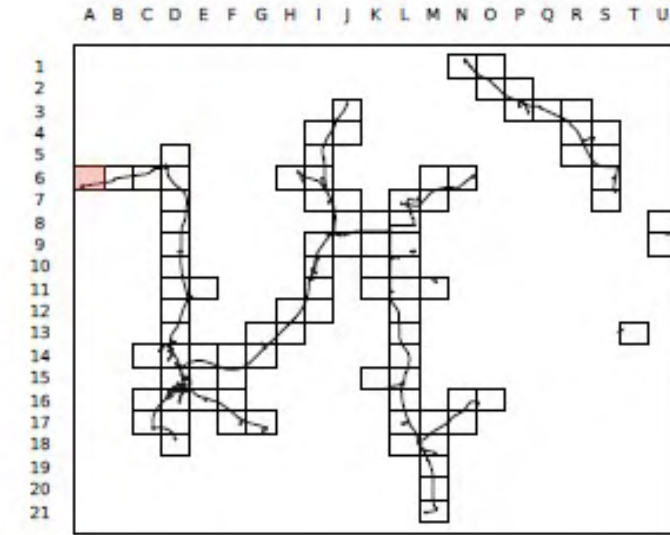




Install HH in road shoulder.  
Leave 150' slack in HH. Install  
route marker at HH.

(1) Buried 2 strand fiber optic  
cable inside 1 1/4" HDPE conduit  
to premise(s). Plow fiber at  
min. 36" depth. Terminate 1  
strand in pre-mounted box.

(1) Buried 48 strand fiber optic ca-  
ble inside (1) 1 1/4" HDPE Conduit  
— Plow conduit in Rt wheel track  
at min. 48" depth.

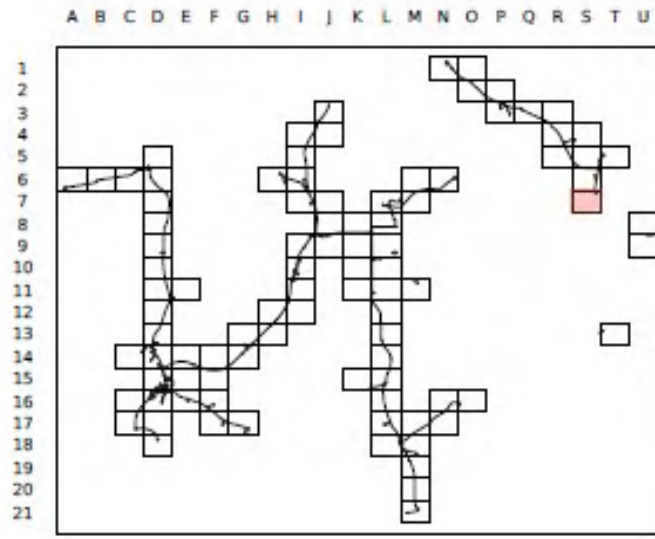


SEE SHEET B6

LEGEND / FIBER CONSTRUCTION		
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.		
5,850'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
5,750'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
250'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



SEE SHEET S6



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

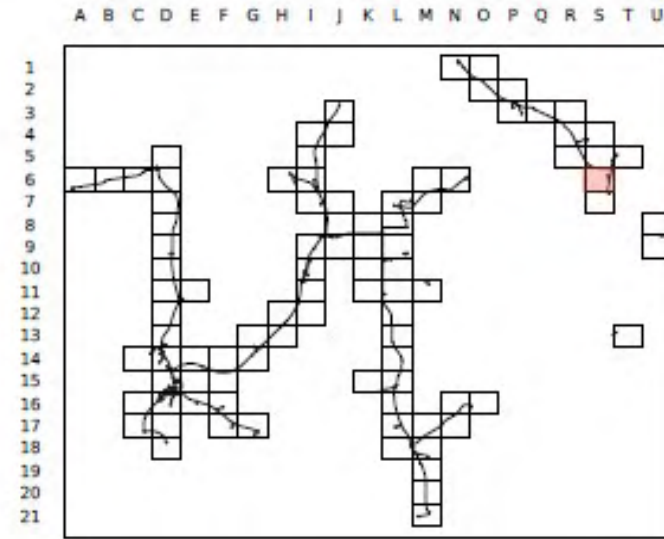
		1 ¼" HDPE Conduit
100'		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



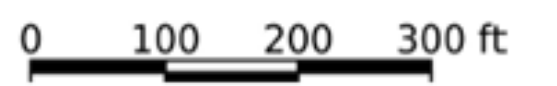
SEE SHEET S5



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

1,800'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
2,100'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
150'		Buried 2ct Drop Cable
2		Handhole (HH)
2		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



**Petrichor**  
 broadband

Scale: 1 inch : 167 feet

SEE SHEET S4



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

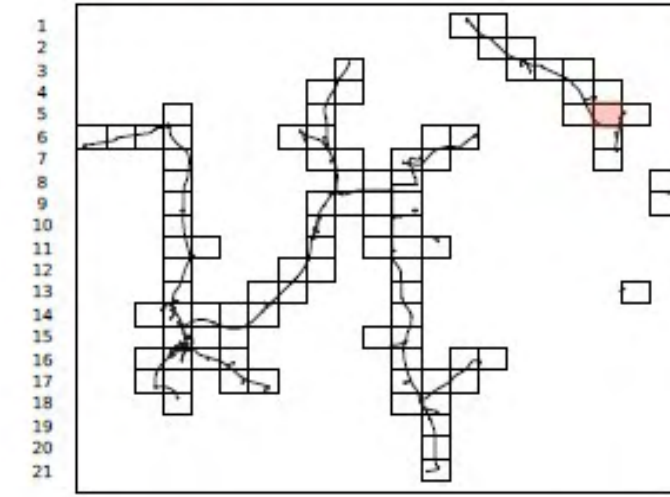
Squaw Rd

SEE SHEET R5

SEE SHEET T5

SEE SHEET S6

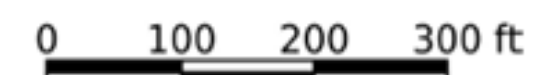
A B C D E F G H I J K L M N O P Q R S T U



**LEGEND / FIBER CONSTRUCTION**

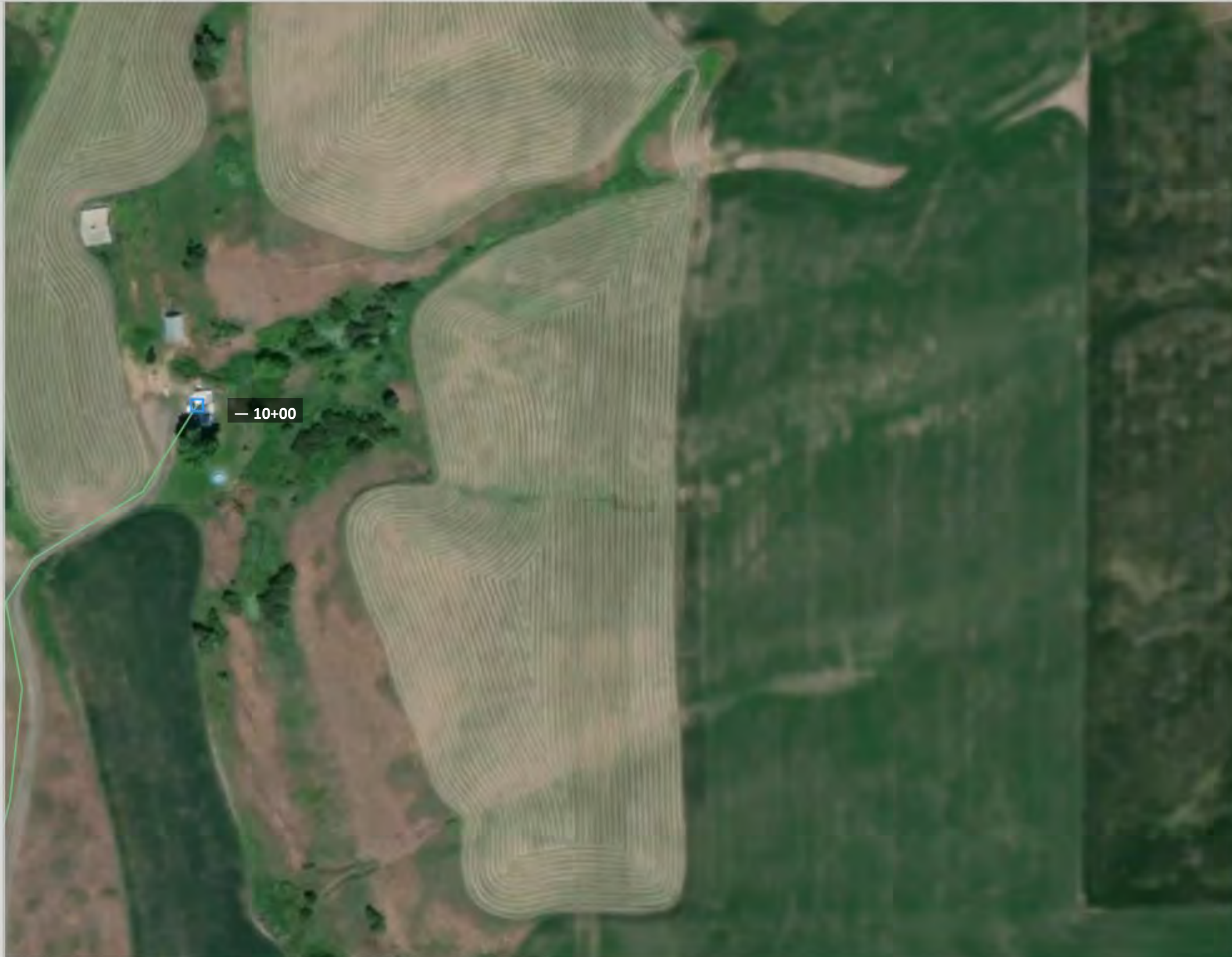
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

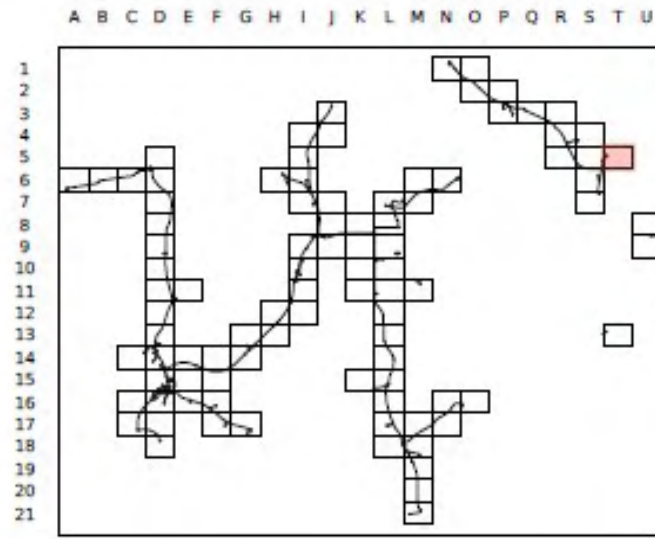


Scale: 1 inch : 167 Feet





SEE SHEET S5



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

1,000'		1 ¼" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
1,000'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

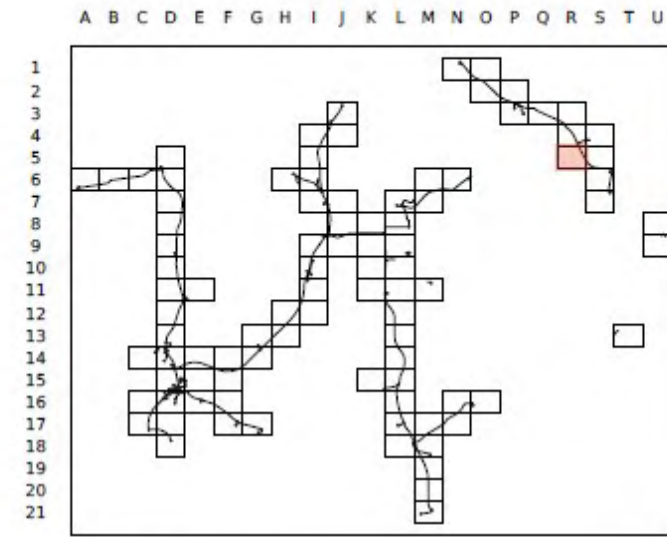


SEE SHEET R4



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

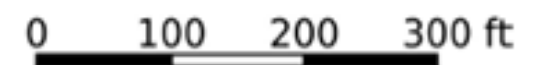
SEE SHEET S5



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet





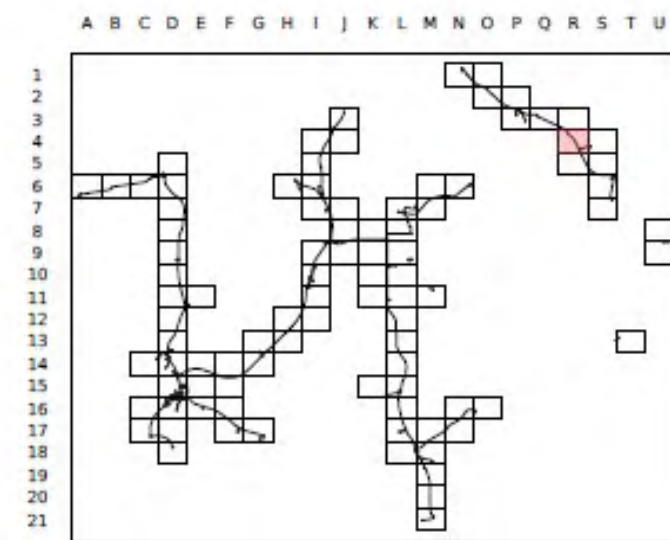
SEE SHEET R3



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

Install HH in road shoulder. Leave 150' slack in HH. Install route marker at HH.

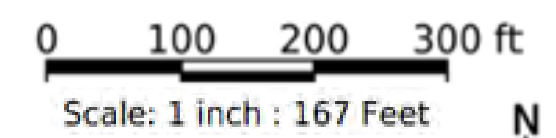
SEE SHEET S4



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

3,100'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
3,250'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO



SEE SHEET R5

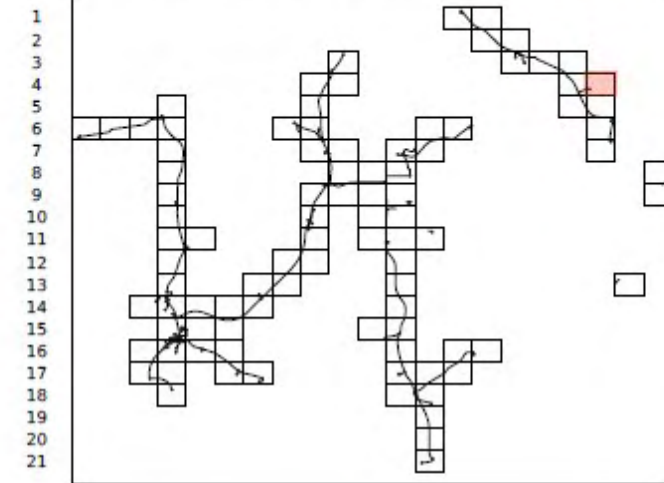


SEE SHEET R4

(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.

8+00

A B C D E F G H I J K L M N O P Q R S T U



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

800'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
800'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet

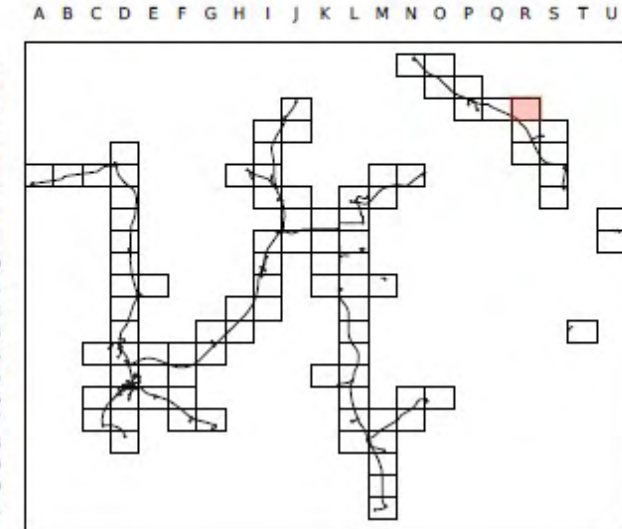




(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

SEE SHEET Q3

SEE SHEET R4



**LEGEND / FIBER CONSTRUCTION**

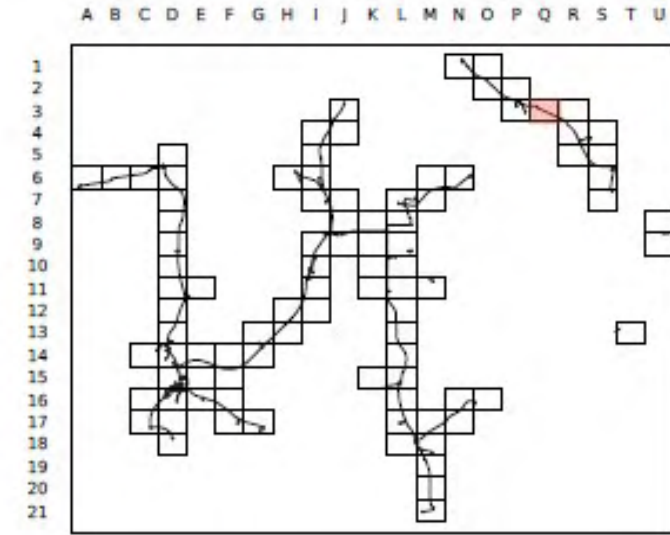
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet





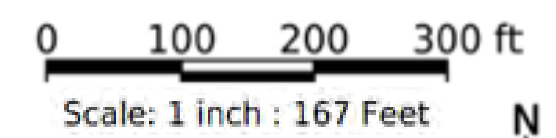
**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO
200'		3" Galvanized Conduit

SEE SHEET R3

SEE SHEET P3



SEE SHEET P2

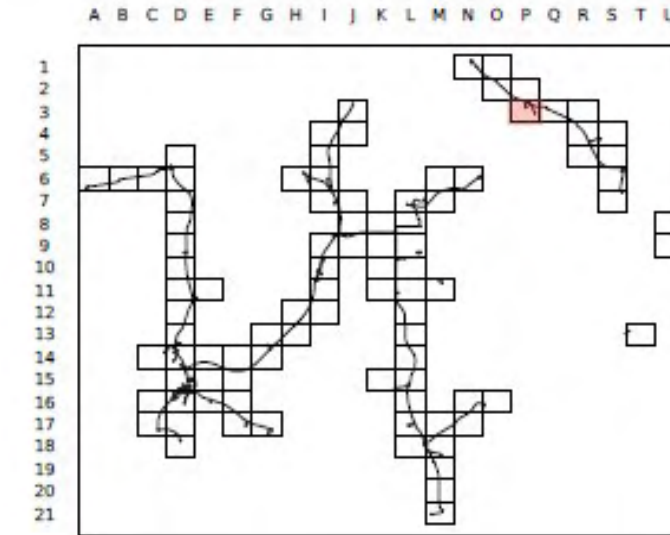


(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

Install HH in road shoulder. Leave 150' slack in HH. Install route marker at HH.

(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.

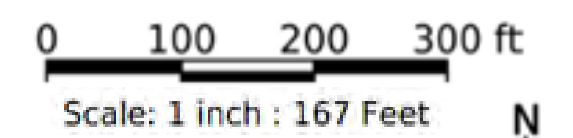
(1) Buried 2 strand fiber optic cable inside 1 1/4" HDPE conduit to premise(s). Plow fiber at min. 36" depth. Terminate 1 strand in pre-mounted box.



**LEGEND / FIBER CONSTRUCTION**  
 SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

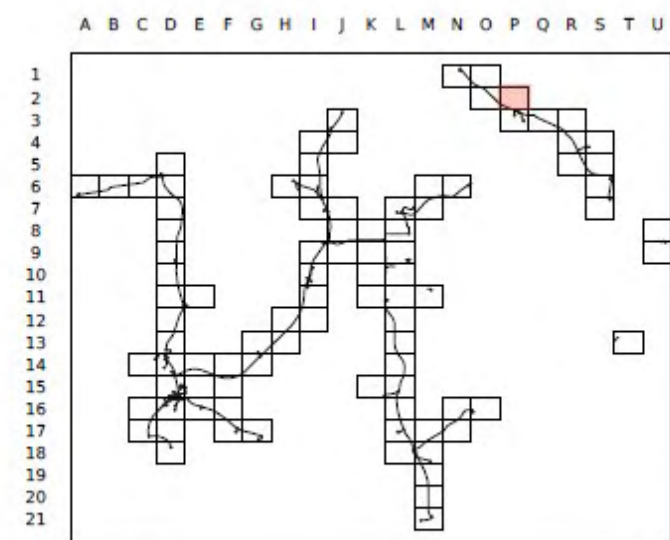
6,100'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
4,850'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
1,400'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO

SEE SHEET Q3





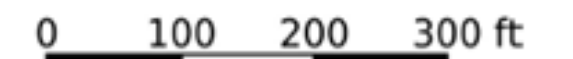
(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



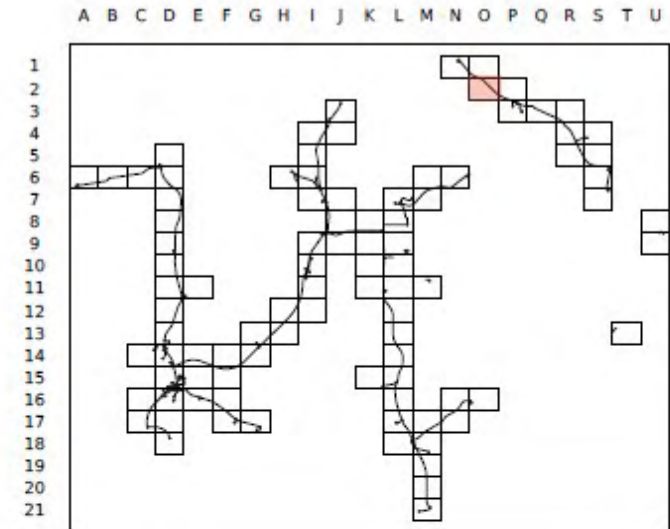
SEE SHEET O2

SEE SHEET 01



(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.

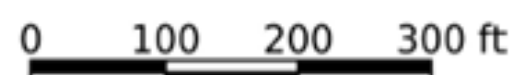
SEE SHEET P2



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

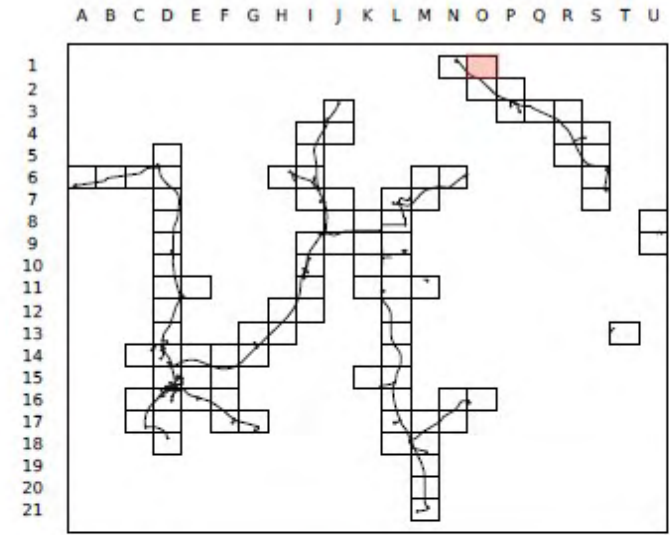


Scale: 1 inch : 167 Feet





(1) Buried 48 strand fiber optic cable inside (1) 1 1/4" HDPE Conduit — Plow conduit in Rt wheel track at min. 48" depth.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet



SEE SHEET N1





Install HH in road shoulder.  
 Leave 150' slack in HH. Install  
 route marker at HH.

1+50 —

(1) Buried 2 strand fiber optic  
 cable inside 1 1/4" HDPE conduit  
 to premise(s). Plow fiber at  
 min. 36" depth. Terminate 1  
 strand in pre-mounted box.

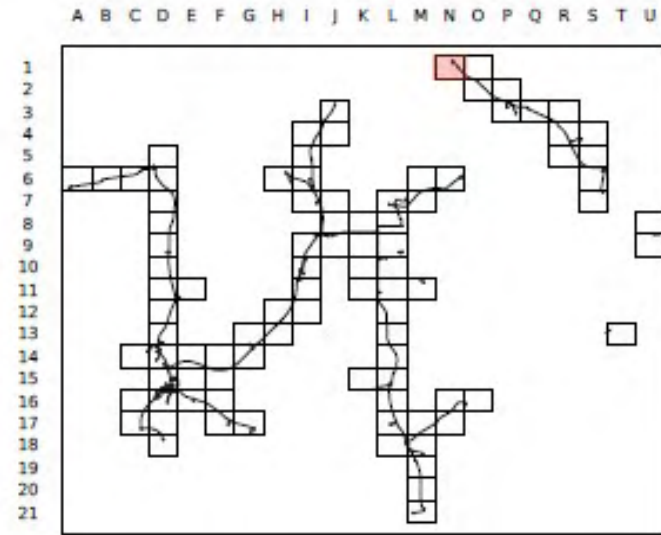
ATTACH ONE 3" SCH80  
 GALV. CONDUIT TO BRIDGE  
 GUARD RAIL. INSTALL EX-  
 PANSION JOINT EVERY 20'

(1) Buried 48 strand fiber optic  
 cable inside (1) 1 1/4" HDPE  
 Conduit — Plow conduit in Rt  
 wheel track at min. 48" depth.



CONDUIT ATTACHMENT  
 EXAMPLE

ATTACH CONDUIT TO ROAD  
 SIDE OF BRIDGE GUARD RAIL  
 USING U-BRACKETS AND  
 BOLTS. CLAMP TO GUARD  
 RAIL. DO NOT DRILL HOLES.



**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

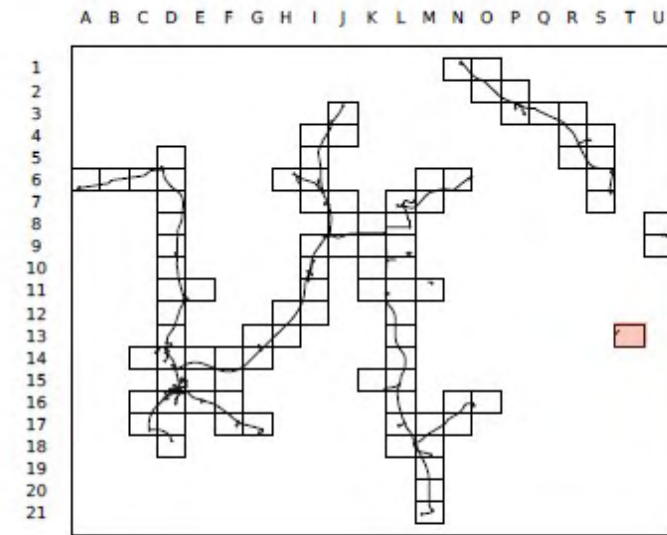
4,850'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
4,850'		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
150'		Buried 2ct Drop Cable
1		Handhole (HH)
1		Route Marker
		Cabinet
		Service Location
		CO
100'		3" Galvanized Conduit

SEE SHEET 01

0 100 200 300 ft

Scale: 1 inch : 167 Feet





**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

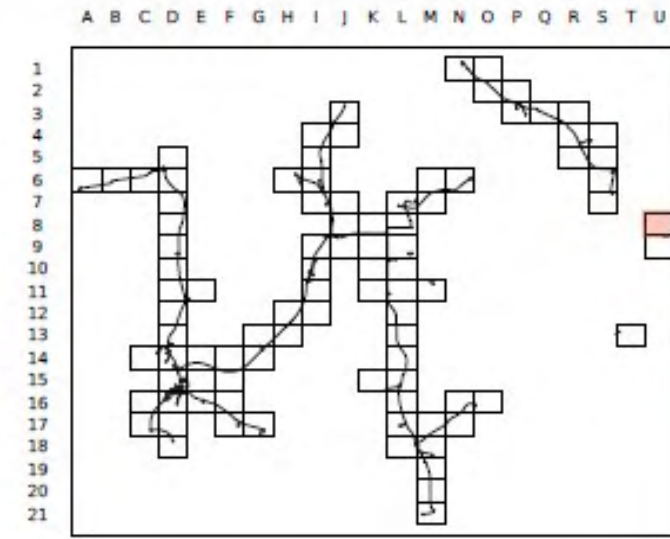
300'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
300'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

0 100 200 300 ft

Scale: 1 inch : 167 Feet



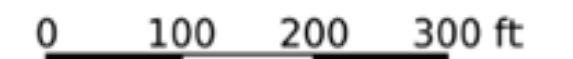
**Petrichor**  
broadband



**LEGEND / FIBER CONSTRUCTION**

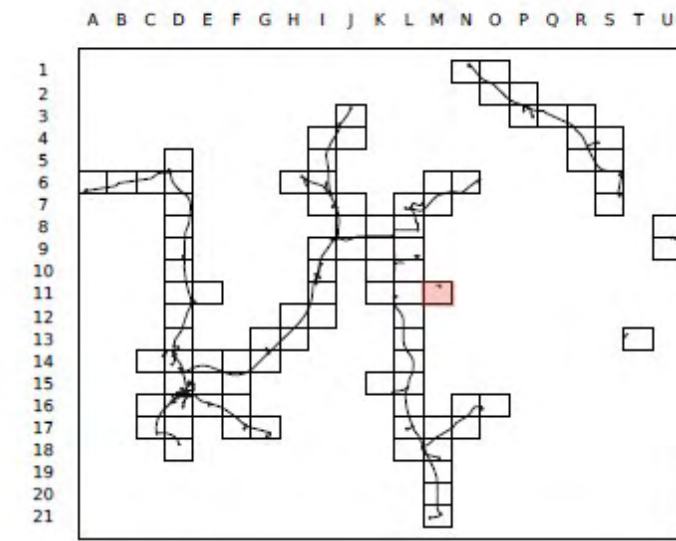
SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

450'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
450'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO



Scale: 1 inch : 167 Feet

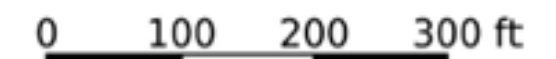




**LEGEND / FIBER CONSTRUCTION**

SEE CONSTRUCTION NOTES FOR ALL OTHER CONSTRUCTION DETAILS.

300'		1 1/4" HDPE Conduit
		Directional Drill
		Buried 24ct Fiber Cable
		Buried 48ct Fiber Cable
		Buried 96ct Fiber Cable
300'		Buried 2ct Drop Cable
		Handhole (HH)
		Route Marker
		Cabinet
		Service Location
		CO

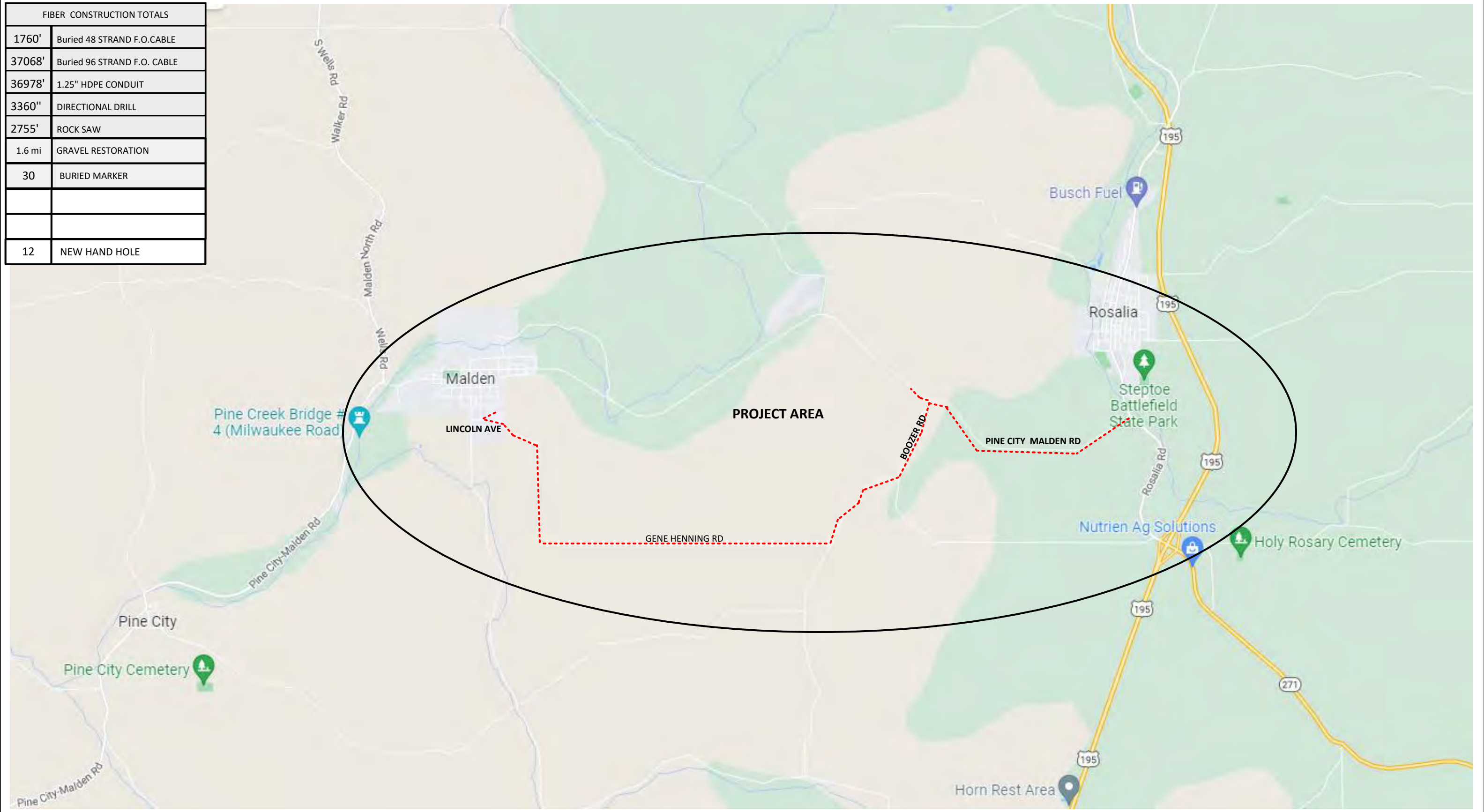


Scale: 1 inch : 167 Feet



SEE SHEET L11

FIBER CONSTRUCTION TOTALS	
1760'	Buried 48 STRAND F.O.CABLE
37068'	Buried 96 STRAND F.O. CABLE
36978'	1.25" HDPE CONDUIT
3360''	DIRECTIONAL DRILL
2755'	ROCK SAW
1.6 mi	GRAVEL RESTORATION
30	BURIED MARKER
12	NEW HAND HOLE



<b>Drawing Name:Port of Whitman</b>			
Drawn By:Ron Glessner 04-20-22			
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 1

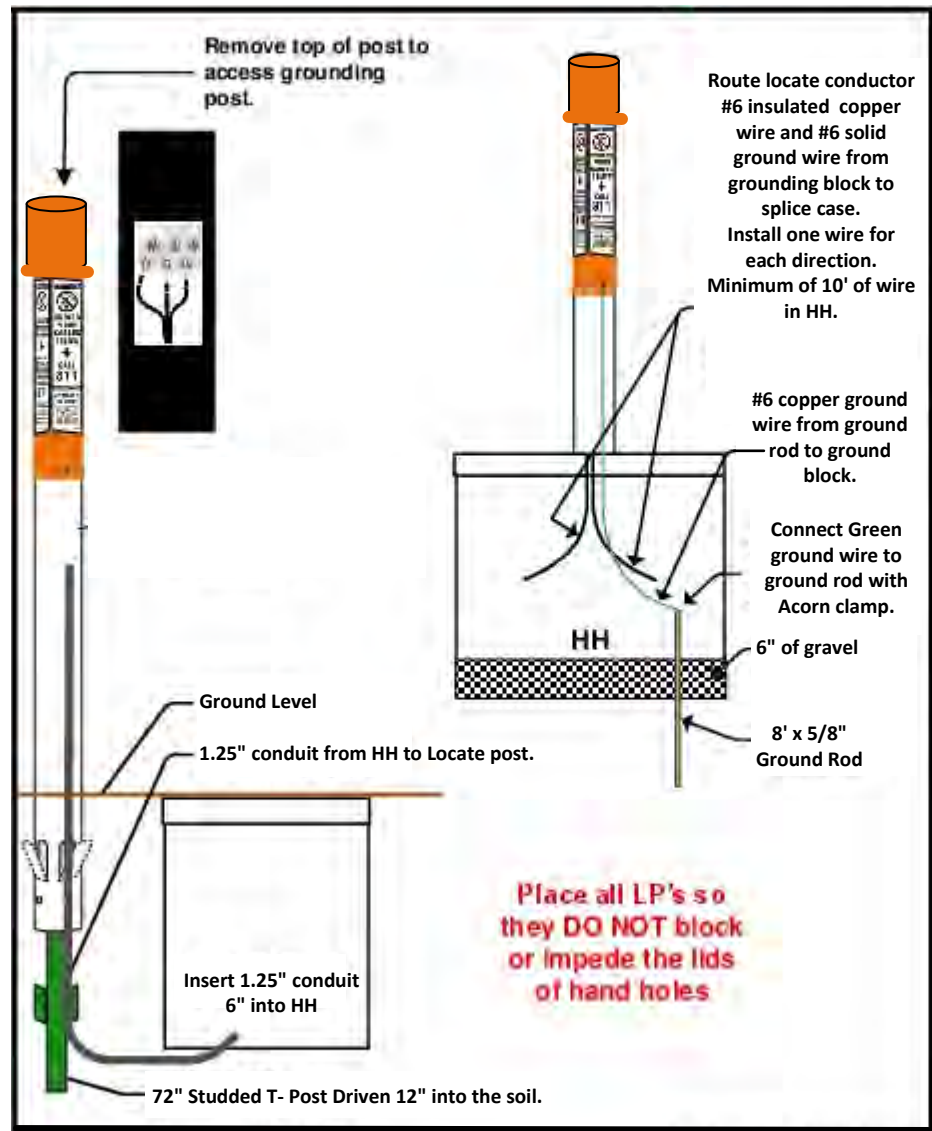
REV.	DESCRIPTION	DATE	BY

Contact Information	
Port of Whitman Calvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner 208-661-5648	

State:WA
County: Whitman
City: MALDEN
Section:
Township:
Range:
Legal:

--	--





Route locate conductor #6 insulated copper wire and #6 solid ground wire from grounding block to splice case. Install one wire for each direction. Minimum of 10' of wire in HH.

#6 copper ground wire from ground rod to ground block.  
Connect Green ground wire to ground rod with Acorn clamp.  
6" of gravel  
8' x 5/8" Ground Rod

**Place all LP's so they DO NOT block or impede the lids of hand holes**

	CULVERT
	DIRECTIONAL BORE
	BURIED CABLE
	NEW ANCHOR
	SIDEWALK ANCHOR
	EXISTING ANCHOR
	OVERHEAD GUY
	ATTACH TO POLE GROUND
	FIBER SLACK LOOP
	JOINT USE POLE
	CABLE CHANGE
	BURIED ROUTE MARKER
	EXISTING HAND HOLE
	NEW HAND HOLE

**GENERAL CONSTRUCTION NOTES :**

CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS EXCEPT STATE HWY., COUNTY ROAD,RAILROAD OR WATER CROSSINGS.

RESTORATION OF ALL RIGHT OF WAY GROUND WILL BE RESTORED TO ORIGINAL CONDITION OR BETTER.

CONTRACTOR WILL COORDINATE WITH OSP MANAGER 24 HRS. PRIOR TO BEGINNING CONSTRUCTION.

OSP MANAGER WILL CONTACT BUILDING OWNER/TENANT 24 HRS. PRIOR TO BEGINNING CONSTRUCTION TO COORDINATE ACCESS TO BUILDINGS.

CONTRACTOR IS RESPONSIBLE FOR CALLING LOCATES AND IS RESPONSIBLE FOR REPAIR AND RESTORATION OF DAMAGED UTILITIES.

FOLLOW ALL NESC CONSTRUCTION GUIDELINES.

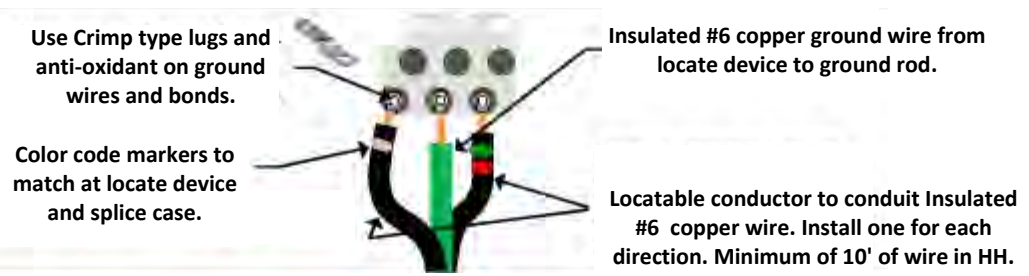
CONTRACTOR WILL HAVE ON SITE THE APPROVED DRAWINGS FROM THE UTILITY AND OR STATE,COUNTY,CITY,RAILROAD.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES.THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO WSDOT. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR AS MODIFIED BY THE TRAFFIC ENGINEER. ALL WORK REQUIRING LANE CLOSURES MUST BE PRE-APPROVED. FIRE , PEDESTRIAN , AND VEHICULAR ACCESS MUST BE MAINTAINED IN ACCORDANCE WITH ADA REQUIREMENTS DURING ANY SIDEWALK CLOSURES. IF THE TEMPORARY TRAFFIC CONTROLS INVOLVE COUNTY OR CITY ROADS , CONTRACTOR SHALL CONTACT THE APPROPRIATE PUBLIC WORKS DEPARTMENT.

CONTRACTOR WILL PROVIDE AERIAL HARDWARE,CONDUIT ,LOCATE WIRE ,GROUND RODS AND GRAVEL RESTORATION.

PORT OF WHITMAN (POW) WILL PROVIDE HAND HOLES , FIBER OPTIC CABLE , AND ROUTE MARKERS.

ALL BFO'S WILL HAVE DIRECTIONAL COLOR CODE MARKER LOCATED 24" FROM CONDUIT ENDS AND 24" FROM END OF BFO.



Drawing: Port of Whitman		Drawn By:Ron Glessner 04-20-22				Contact Information				State: WA County: Whitman City: Malden		
		<b>ROSALIA TO MALDEN</b>				REV.	DESCRIPTION	DATE	BY	Port of Whitman Calvin Johanson 509-396-3791 Outside Plant Maintenance,llc Ron Glessner208-661-5648		
						REV.	DESCRIPTION	DATE	BY			
		REV.	DESCRIPTION	DATE	BY							
		REV.	DESCRIPTION	DATE	BY							
		REV.	DESCRIPTION	DATE	BY							
SIZE	FSCM NO	DWG NO		REV				Section: Township: Range: Legal:				
SCALE			SHEET 2									



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1725'	BURIED 96 STRAND F.O. CABLE
1675'	1.25" HDPE CONDUIT
100'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
2	BURIED MARKER
1	NEW HAND HOLE

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE  
INSIDE (1) 1¼" HDPE CONDUIT  
MINIMUM DEPTH 48"



INTERCEPT EXISTING CONDUIT AND CABLE. INSTALL NEW HH. PULL 50' SLACK FROM HH TO NORTH. LEAVE 50' SLACK OF NEW CABLE IN HH

INSTALL CONDUIT USING PLOW AND DIRECTIONAL DRILL AT TOE OF SLOPE APPROXIMATELY 20' FROM CENTERLINE

DIRECTIONAL DRILL BELOW CULVERT. 100'

INSTALL ROUTE MARKER

SEE SHEET 4 TO MATCH

Drawing Name:Port of Whitman	
Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>	
SIZE	FSCM NO
DWG NO	REV
SHEET 3	

REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY

Contact Information	
Port of Whitman Kalvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner208-661-5648	

State:WA
County: Whitman
City: MALDEN
Section:
Township:
Range:
Legal:



INSTALL HH 25' FROM CENTERLINE. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

INSTALL CONDUIT USING PLOW AND DIRECTIONAL DRILL AT TOE OF SLOPE APPROXIMATELY 20' FROM CENTERLINE

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT MINIMUM DEPTH 48"

DIRECTIONAL DRILL BELOW CULVERT. 100'

INSTALL ROUTE MARKER

FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2380'	BURIED 96 STRAND F.O. CABLE
2230'	1.25" HDPE CONDUIT
100'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
2	BURIED MARKER
1	NEW HAND HOLE

<b>Drawing Name:Port of Whitman</b>		Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 4

REV.	DESCRIPTION	DATE	BY

Contact Information		State:WA County: Whitman City: MALDEN
Port of Whitman Calvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner208-661-5648		Section: Township: Range: Legal:





FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2371'	BURIED 96 STRAND F.O. CABLE
2371'	1.25" HDPE CONDUIT
640'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
0	NEW HAND HOLE

INSTALL CONDUIT USING PLOW AND DIRECTIONAL DRILL AT TOE OF SLOPE APPROXIMATELY 20' FROM CENTERLINE

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT MINIMUM DEPTH 48"

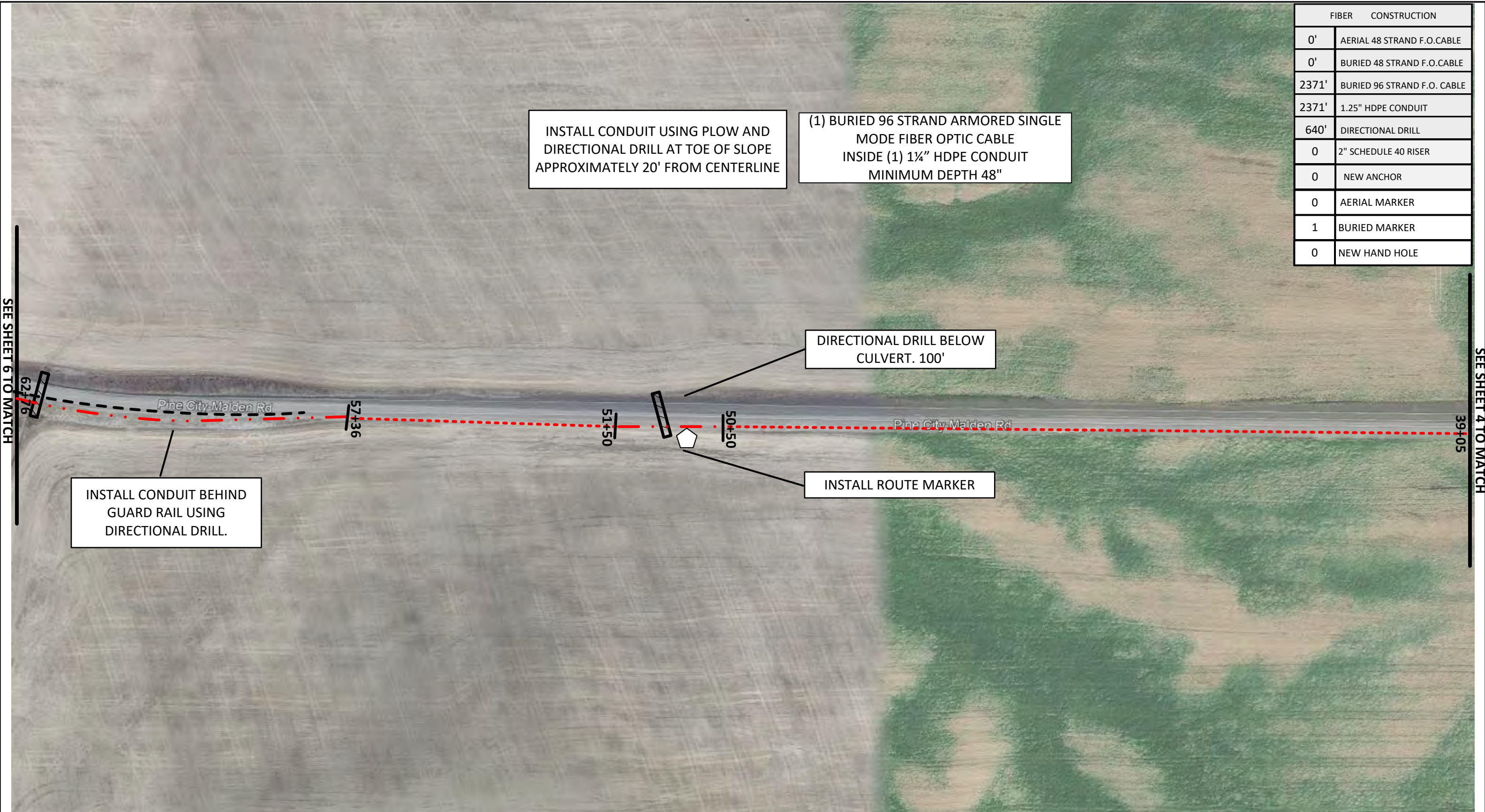
DIRECTIONAL DRILL BELOW CULVERT. 100'

INSTALL ROUTE MARKER

INSTALL CONDUIT BEHIND GUARD RAIL USING DIRECTIONAL DRILL.

SEE SHEET 6 TO MATCH

SEE SHEET 4 TO MATCH



Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 5

REV.	DESCRIPTION	DATE	BY

Contact Information		State: WA County: Whitman City: MALDEN	
Port of Whitman Calvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner 208-661-5648		Section:	
		Township: Range: Legal:	



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1775'	BURIED 96 STRAND F.O. CABLE
1625'	1.25" HDPE CONDUIT
210'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
1	NEW HAND HOLE

SEE SHEET 7 TO MATCH

79+01

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT MINIMUM DEPTH 48"

INSTALL CONDUIT USING PLOW AND DIRECTIONAL DRILL AT TOE OF SLOPE APPROXIMATELY 20' FROM CENTERLINE

INSTALL HH 25' FROM CENTERLINE. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

INSTALL CONDUIT BEHIND GUARD RAIL USING DIRECTIONAL DRILL.



SEE SHEET 5 TO MATCH

Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
		SHEET 6	

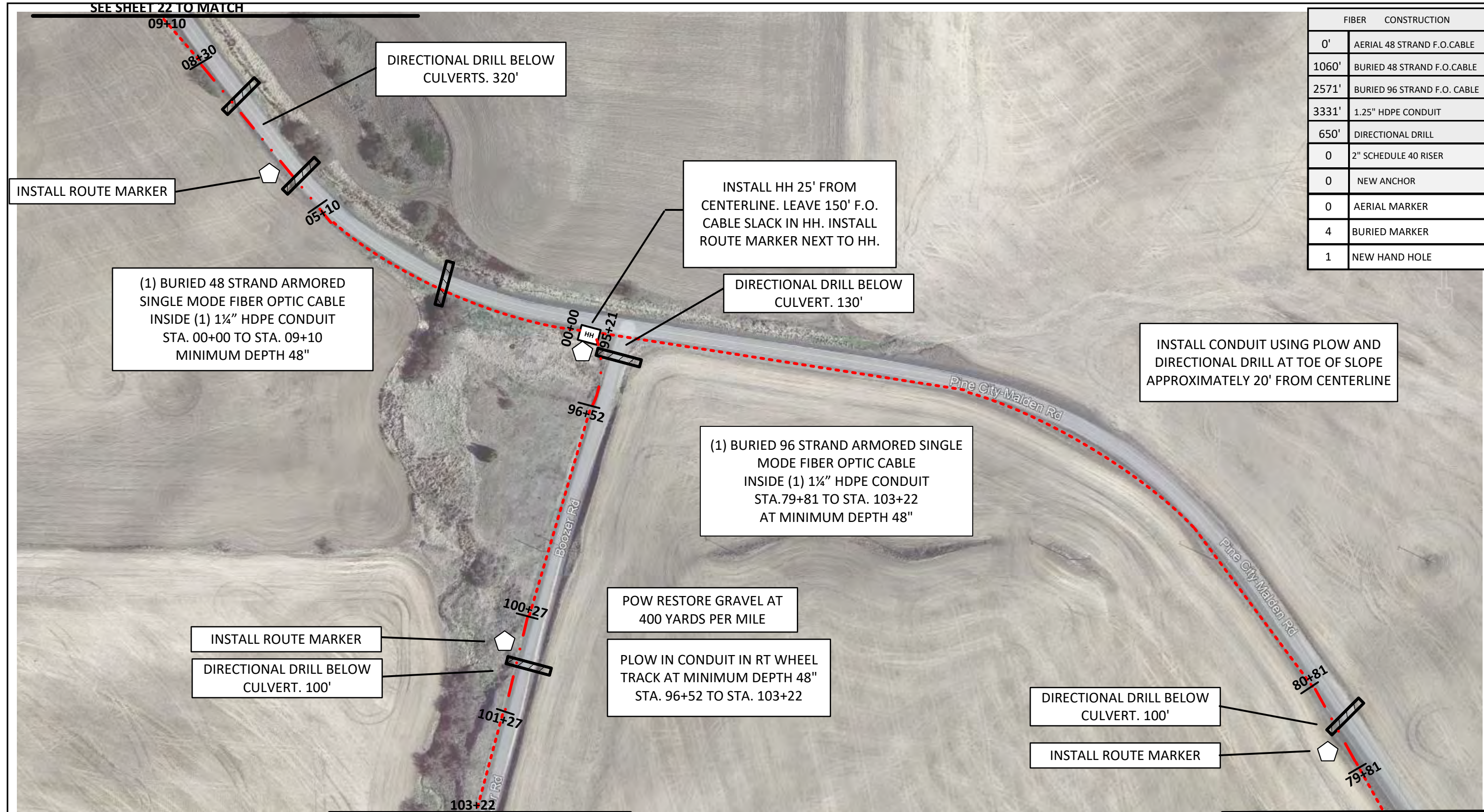
REV.	DESCRIPTION	DATE	BY

Contact Information  
 Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

State: WA  
 County: Whitman  
 City: MALDEN  
 Section:  
 Township:  
 Range:  
 Legal:



SEE SHEET 22 TO MATCH



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
1060'	BURIED 48 STRAND F.O.CABLE
2571'	BURIED 96 STRAND F.O. CABLE
3331'	1.25" HDPE CONDUIT
650'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
4	BURIED MARKER
1	NEW HAND HOLE

(1) BURIED 48 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT STA. 00+00 TO STA. 09+10 MINIMUM DEPTH 48"

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT STA. 79+81 TO STA. 103+22 AT MINIMUM DEPTH 48"

POW RESTORE GRAVEL AT 400 YARDS PER MILE

PLOW IN CONDUIT IN RT WHEEL TRACK AT MINIMUM DEPTH 48" STA. 96+52 TO STA. 103+22

INSTALL CONDUIT USING PLOW AND DIRECTIONAL DRILL AT TOE OF SLOPE APPROXIMATELY 20' FROM CENTERLINE

SEE SHEET 22 TO MATCH

SEE SHEET 8 TO MATCH

SEE SHEET 6 TO MATCH

Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 7

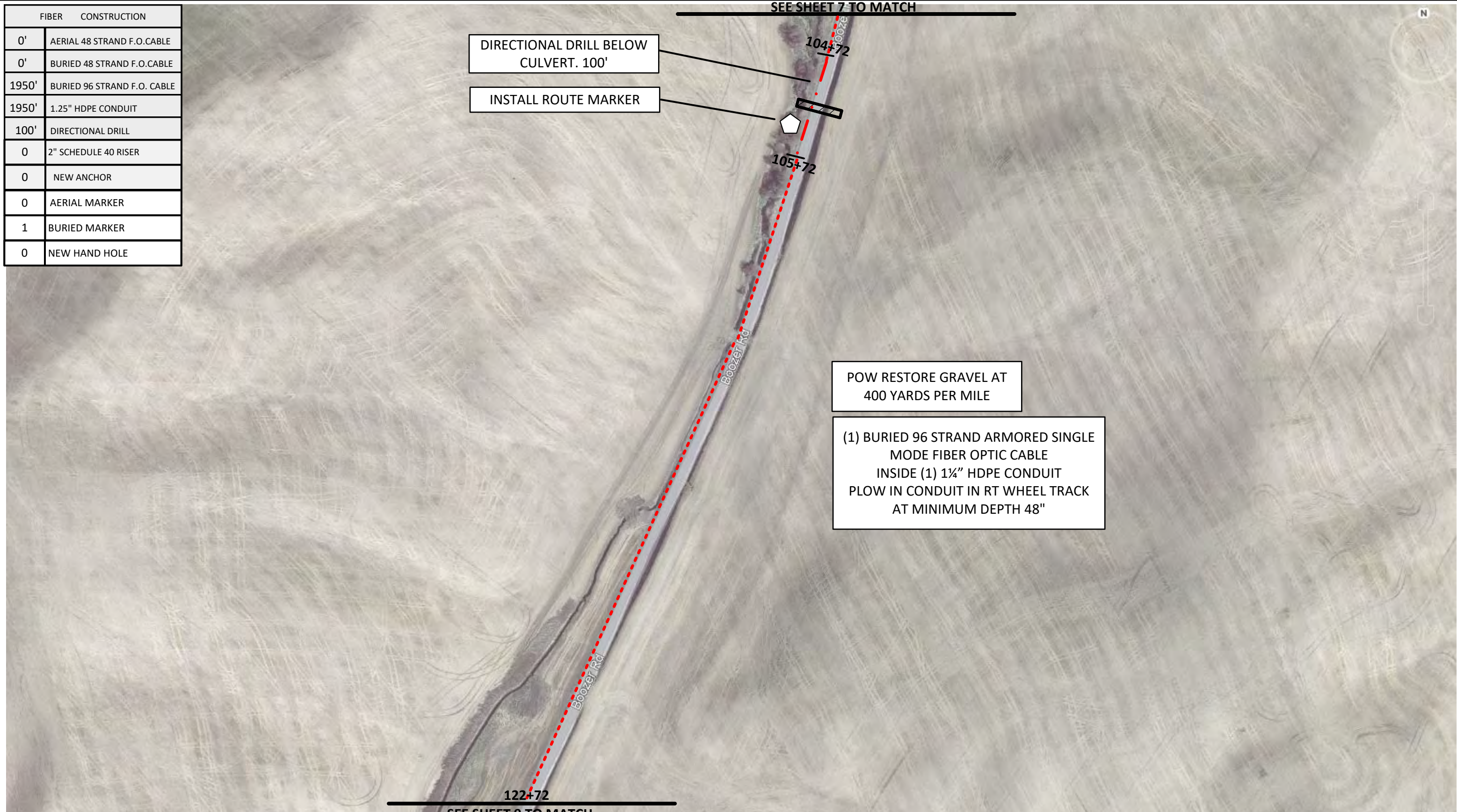
REV.	DESCRIPTION	DATE	BY

Contact Information  
 Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

State: WA  
 County: Whitman  
 City: MALDEN  
 Section:  
 Township:  
 Range:  
 Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1950'	BURIED 96 STRAND F.O. CABLE
1950'	1.25" HDPE CONDUIT
100'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
0	NEW HAND HOLE



<b>Drawing Name:Port of Whitman</b>		Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 8

REV.	DESCRIPTION	DATE	BY

Contact Information

Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

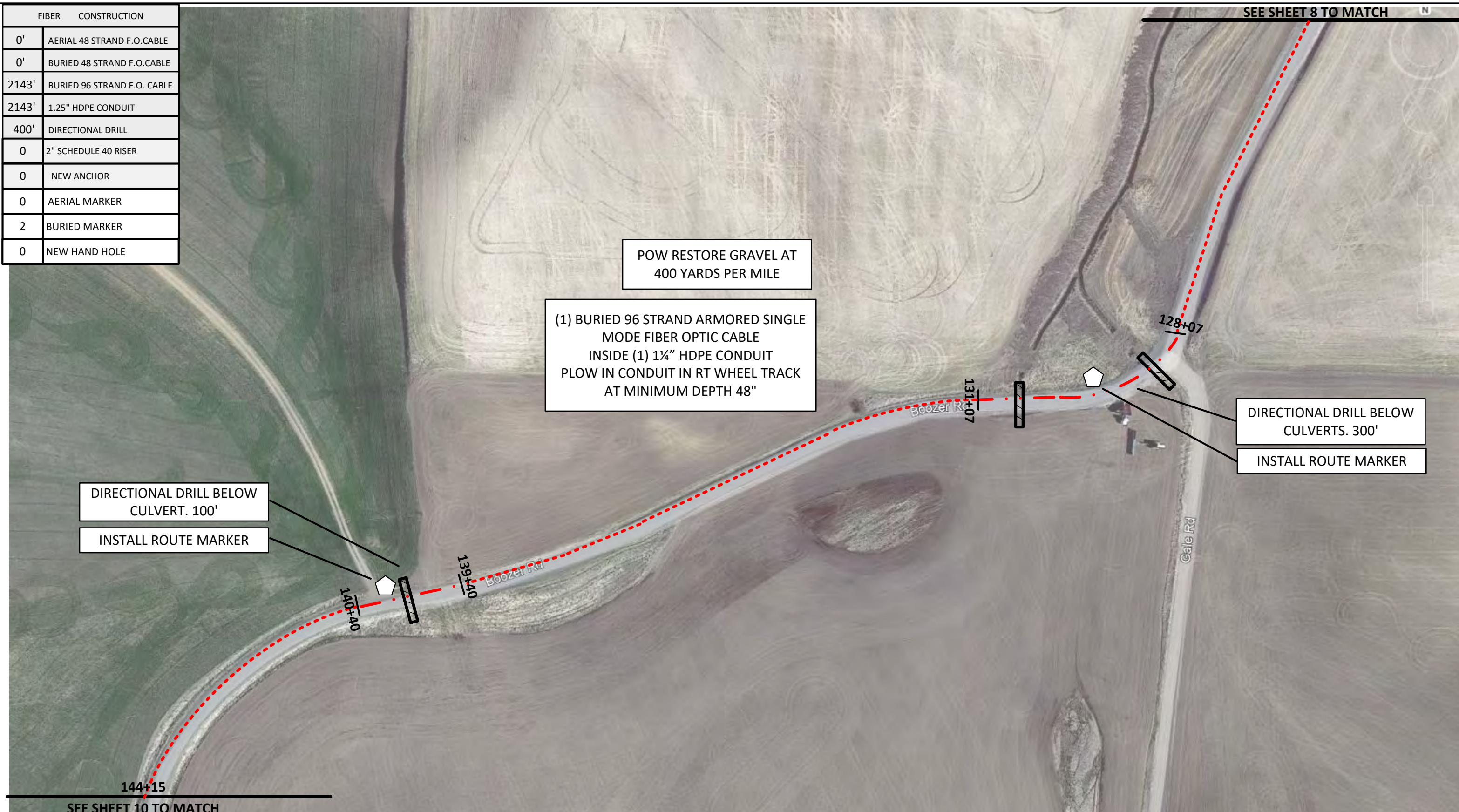
State: WA  
 County: Whitman  
 City: MALDEN

Section:  
 Township:  
 Range:  
 Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2143'	BURIED 96 STRAND F.O. CABLE
2143'	1.25" HDPE CONDUIT
400'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
2	BURIED MARKER
0	NEW HAND HOLE

SEE SHEET 8 TO MATCH



POW RESTORE GRAVEL AT 400 YARDS PER MILE

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT PLOW IN CONDUIT IN RT WHEEL TRACK AT MINIMUM DEPTH 48"

DIRECTIONAL DRILL BELOW CULVERT. 100'

INSTALL ROUTE MARKER

DIRECTIONAL DRILL BELOW CULVERTS. 300'

INSTALL ROUTE MARKER

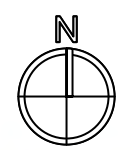
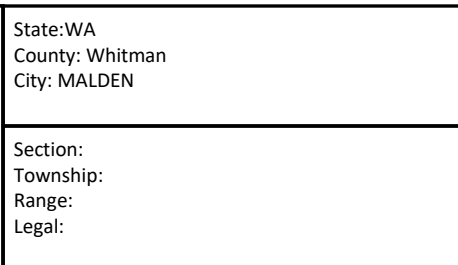
SEE SHEET 10 TO MATCH

Drawing Name:Port of Whitman	
Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>	
SIZE	FSCM NO
DWG NO	REV
SHEET 9	

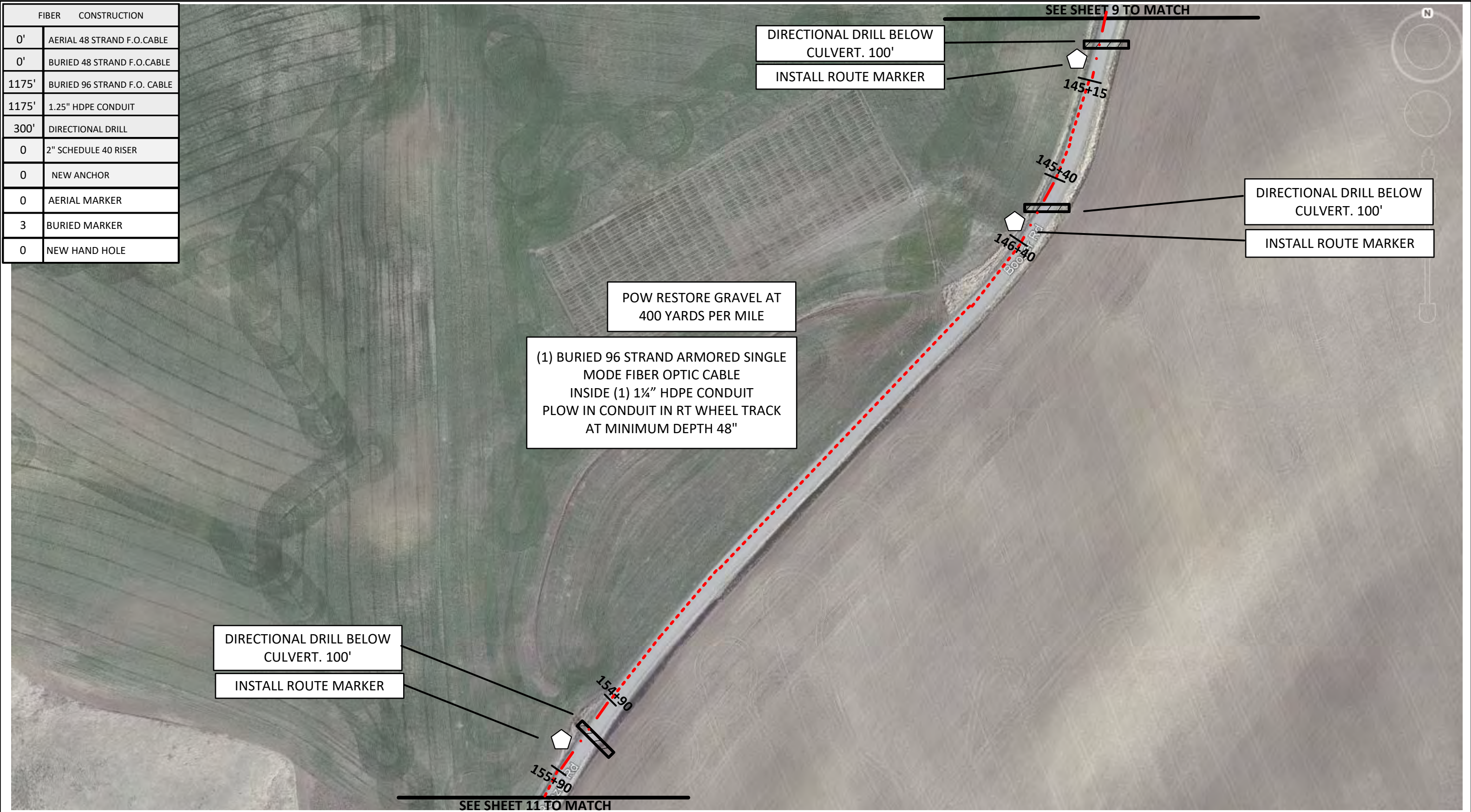
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REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY

Contact Information	
Port of Whitman Kalvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner 208-661-5648	

State:WA
County: Whitman
City: MALDEN
Section:
Township:
Range:
Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1175'	BURIED 96 STRAND F.O. CABLE
1175'	1.25" HDPE CONDUIT
300'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
3	BURIED MARKER
0	NEW HAND HOLE



<b>Drawing Name:Port of Whitman</b>		Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
		SHEET 10	

REV.	DESCRIPTION	DATE	BY

Contact Information

Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner208-661-5648

State:WA  
 County: Whitman  
 City: MALDEN

Section:  
 Township:  
 Range:  
 Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2182'	BURIED 96 STRAND F.O. CABLE
2032'	1.25" HDPE CONDUIT
0'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
2	BURIED MARKER
1	NEW HAND HOLE

SEE SHEET 10 TO MATCH

SEE SHEET 12 TO MATCH  
176+22

INSTALL HH 16' FROM CENTERLINE AT EDGE OF DRIVEWAY. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

POW RESTORE GRAVEL AT 400 YARDS PER MILE

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT PLOW IN CONDUIT IN RT WHEEL TRACK AT MINIMUM DEPTH 48"

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT PLOW IN CONDUIT IN LT WHEEL TRACK AT MINIMUM DEPTH 48"

INSTALL ROUTE MARKER

END GRAVEL RESORATION ENTER DIRT SUMMER ROAD

Drawing Name:Port of Whitman		Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 11

REV.	DESCRIPTION	DATE	BY

Contact Information  
  
Port of Whitman  
Kalvin Johanson  
509-397-3791  
Outside Plant Maintenance, llc  
Ron Glessner 208-661-5648

State: WA  
County: Whitman  
City: MALDEN  
  
Section:  
Township:  
Range:  
Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1975'	BURIED 96 STRAND F.O. CABLE
1975'	1.25" HDPE CONDUIT
0'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
0	BURIED MARKER
0	NEW HAND HOLE



(1) BURIED 96 STRAND ARMORED SINGLE  
MODE FIBER OPTIC CABLE  
INSIDE (1) 1 1/4" HDPE CONDUIT  
PLOW IN CONDUIT IN LT WHEEL TRACK  
AT MINIMUM DEPTH 48"

SEE SHEET 13 TO MATCH  
195+97

SEE SHEET 11 TO MATCH  
176+22

Drawing Name: Port of Whitman	
-------------------------------	--

Drawn By: Ron Glessner 04-20-22			
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 12

REV.	DESCRIPTION	DATE	BY

Contact Information  
  
 Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

State: WA  
 County: Whitman  
 City: MALDEN  
  
 Section:  
 Township:  
 Range:  
 Legal:



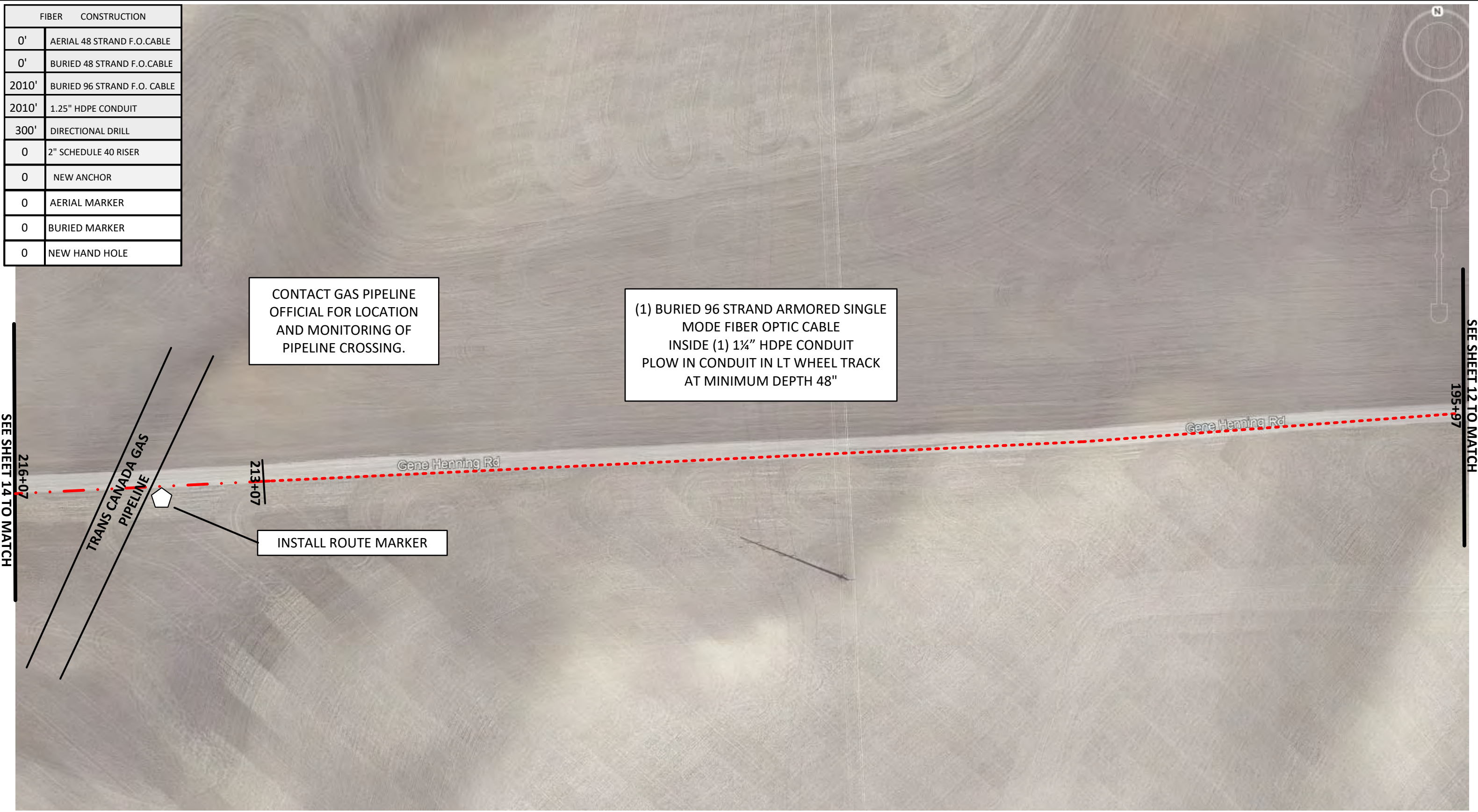


FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2010'	BURIED 96 STRAND F.O. CABLE
2010'	1.25" HDPE CONDUIT
300'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
0	BURIED MARKER
0	NEW HAND HOLE

CONTACT GAS PIPELINE OFFICIAL FOR LOCATION AND MONITORING OF PIPELINE CROSSING.

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT PLOW IN CONDUIT IN LT WHEEL TRACK AT MINIMUM DEPTH 48"

INSTALL ROUTE MARKER



SEE SHEET 14 TO MATCH  
216+07

SEE SHEET 12 TO MATCH  
195+97

Drawing Name: Port of Whitman	
-------------------------------	--

Drawn By: Ron Glessner 04-20-22			
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 13

REV.	DESCRIPTION	DATE	BY

Contact Information  
  
 Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

State: WA  
 County: Whitman  
 City: MALDEN  
  
 Section:  
 Township:  
 Range:  
 Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2130'	BURIED 96 STRAND F.O. CABLE
1980'	1.25" HDPE CONDUIT
0'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
1	NEW HAND HOLE



(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE  
INSIDE (1) 1¼" HDPE CONDUIT  
PLOW IN CONDUIT IN LT WHEEL TRACK  
AT MINIMUM DEPTH 48"

INSTALL ROUTE MARKER

INSTALL HH OFF OF ROAD IN UNTILLED GRASS AREA. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

SEE SHEET 15 TO MATCH

SEE SHEET 13 TO MATCH

Drawing Name:Port of Whitman	
------------------------------	--

Drawn By:Ron Glessner 04-20-22			
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
		SHEET 14	

REV.	DESCRIPTION	DATE	BY

Contact Information

Port of Whitman  
Kalvin Johanson  
509-397-3791  
Outside Plant Maintenance, llc  
Ron Glessner 208-661-5648

State: WA  
County: Whitman  
City: MALDEN

Section:  
Township:  
Range:  
Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2120'	BURIED 96 STRAND F.O. CABLE
2120'	1.25" HDPE CONDUIT
0'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
0	BURIED MARKER
0	NEW HAND HOLE



SEE SHEET 16 TO MATCH  
257+07

SEE SHEET 14 TO MATCH  
235+87

(1) BURIED 96 STRAND ARMORED SINGLE  
MODE FIBER OPTIC CABLE  
INSIDE (1) 1¼" HDPE CONDUIT  
PLOW IN CONDUIT IN LT WHEEL TRACK  
AT MINIMUM DEPTH 48"

<b>Drawing Name:Port of Whitman</b>			
Drawn By:Ron Glessner 04-20-22			
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV

<b>SHEET 15</b>			
-----------------	--	--	--

REV.	DESCRIPTION	DATE	BY

Contact Information

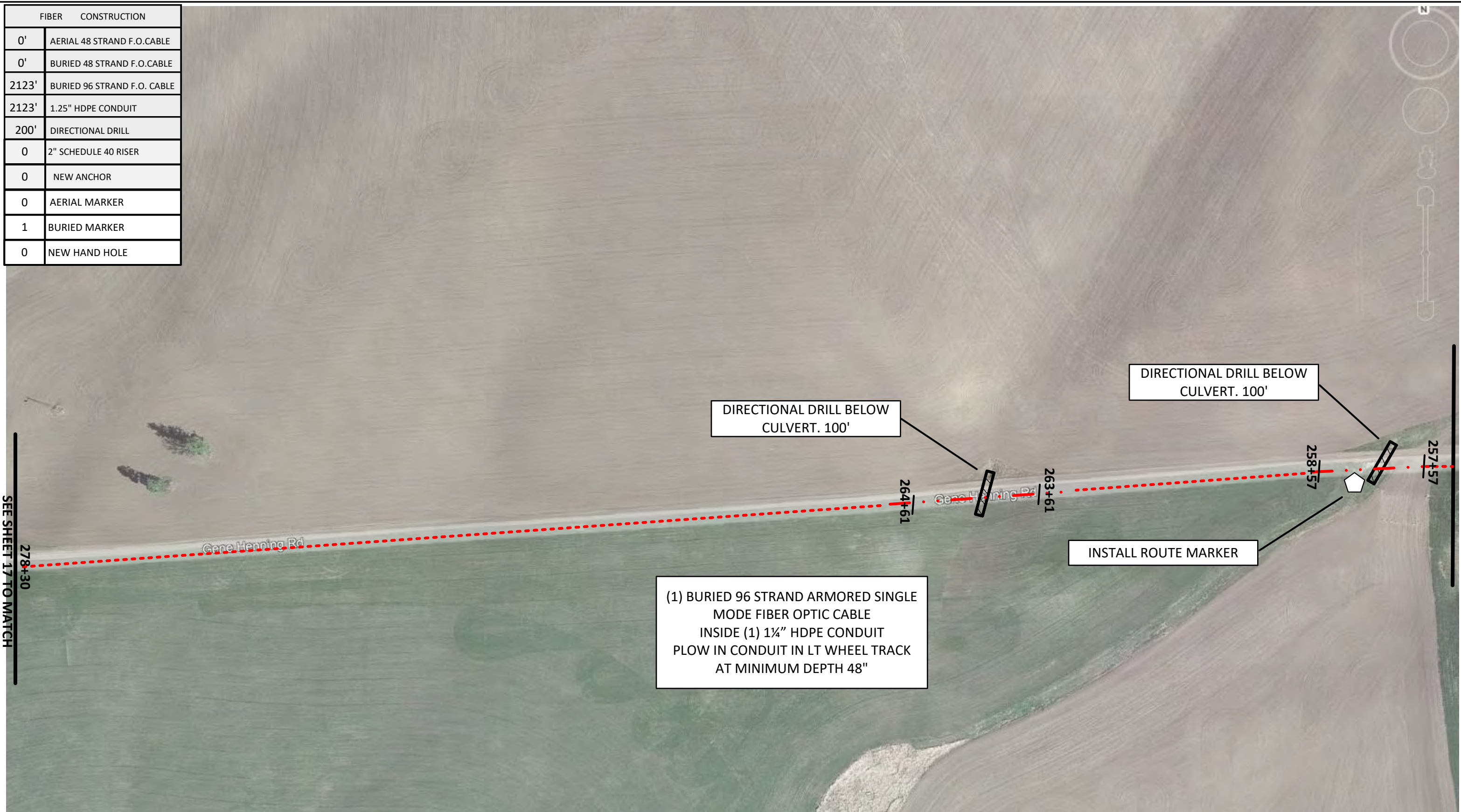
Port of Whitman  
Kalvin Johanson  
509-397-3791  
Outside Plant Maintenance, llc  
Ron Glessner 208-661-5648

State: WA  
County: Whitman  
City: MALDEN

Section:  
Township:  
Range:  
Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2123'	BURIED 96 STRAND F.O. CABLE
2123'	1.25" HDPE CONDUIT
200'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
0	NEW HAND HOLE



Drawing Name: Port of Whitman	
-------------------------------	--

Drawn By: Ron Glessner 04-20-22			
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 16

REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY

Contact Information

Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

State: WA  
 County: Whitman  
 City: MALDEN

Section:  
 Township:  
 Range:  
 Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1723'	BURIED 96 STRAND F.O. CABLE
1573'	1.25" HDPE CONDUIT
100'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
1	NEW HAND HOLE

SEE SHEET 18 TO MATCH

294+03

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT PLOW IN CONDUIT IN LT WHEEL TRACK AT MINIMUM DEPTH 48"

INSTALL HH OUT OF ROAD IN GRASS AREA. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

DIRECTIONAL DRILL BELOW CULVERT 100'

SEE SHEET 16 TO MATCH

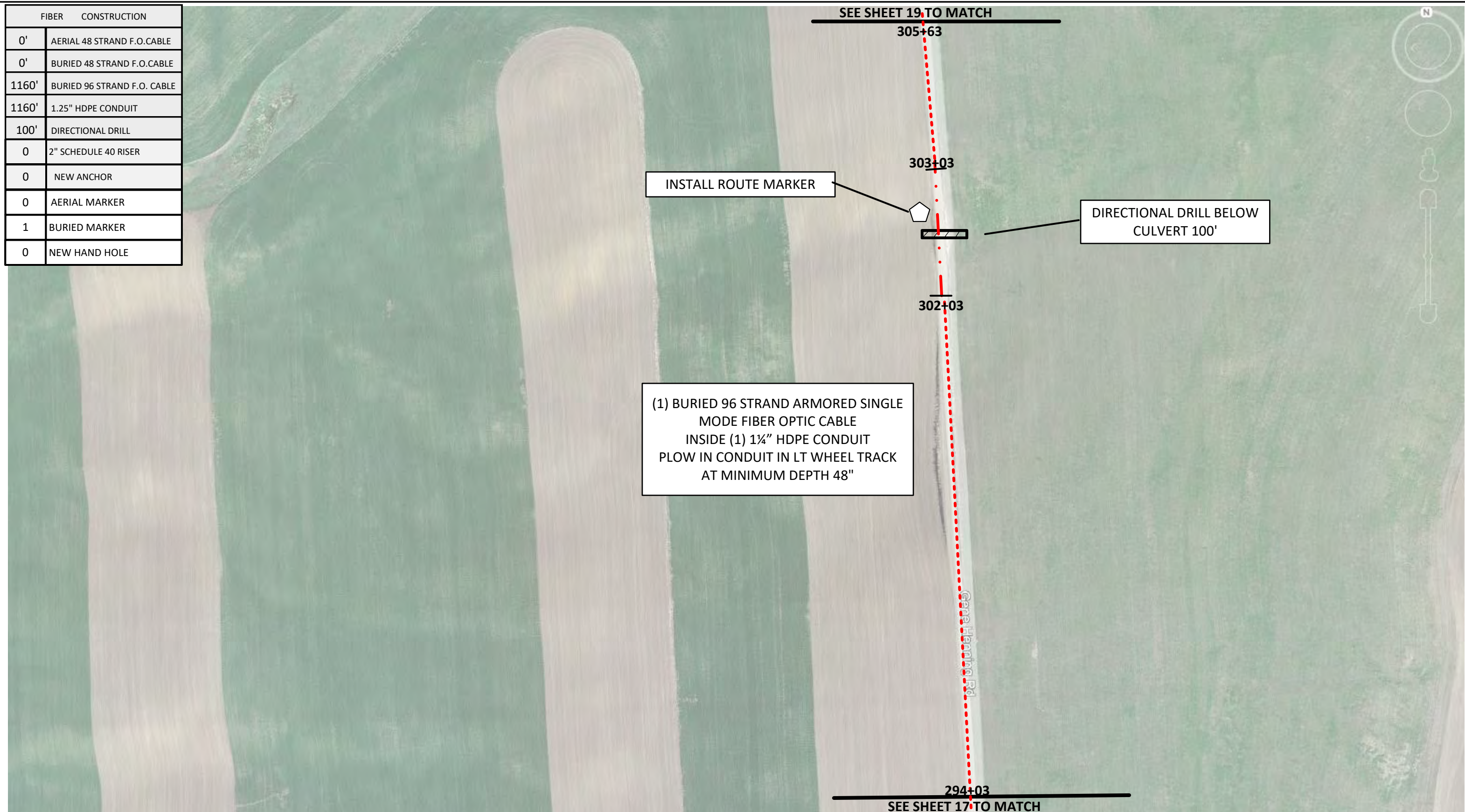
Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
		SHEET 17	

REV.	DESCRIPTION	DATE	BY

Contact Information		State: WA
Port of Whitman Kalvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner 208-661-5648		County: Whitman
		City: MALDEN
Section:		
Township:		
Range:		
Legal:		



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O. CABLE
0'	BURIED 48 STRAND F.O. CABLE
1160'	BURIED 96 STRAND F.O. CABLE
1160'	1.25" HDPE CONDUIT
100'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
0	NEW HAND HOLE



<b>Drawing Name: Port of Whitman</b>		Drawn By: Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 18

REV.	DESCRIPTION	DATE	BY

Contact Information

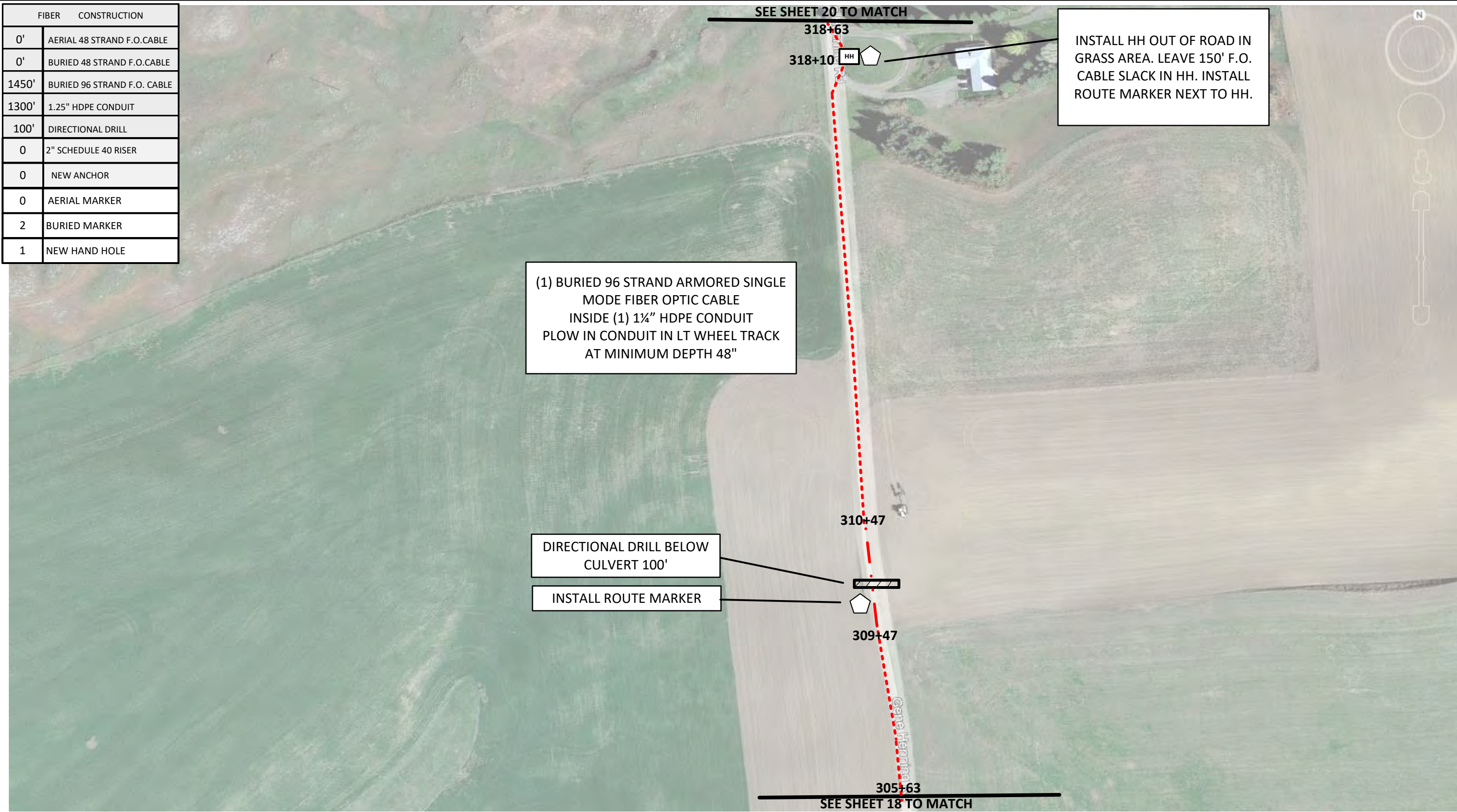
Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

State: WA  
 County: Whitman  
 City: MALDEN

Section:  
 Township:  
 Range:  
 Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1450'	BURIED 96 STRAND F.O. CABLE
1300'	1.25" HDPE CONDUIT
100'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
2	BURIED MARKER
1	NEW HAND HOLE



INSTALL HH OUT OF ROAD IN GRASS AREA. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT PLOW IN CONDUIT IN LT WHEEL TRACK AT MINIMUM DEPTH 48"

DIRECTIONAL DRILL BELOW CULVERT 100'

INSTALL ROUTE MARKER

SEE SHEET 20 TO MATCH

318+63

318+10

310+47

309+47

305+63

SEE SHEET 18 TO MATCH

Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 19

REV.	DESCRIPTION	DATE	BY

Information	State: WA County: Whitman City: MALDEN
Port of Whitman Kalvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner 208-661-5648	Section: Township: Range: Legal:



SEE SHEET 21 TO MATCH  
339+38

Gene Henning Rd

RESTORE GRAVEL AT 400 YARDS PER MILE

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1 1/4" HDPE CONDUIT PLOW IN CONDUIT IN RT WHEEL TRACK AT MINIMUM DEPTH 48"

ROCK SAW POSSIBLE  
STA.318+63 TO STA. 339+38

INSTALL HH OUT OF ROAD IN GRASS AREA. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

322+48 HH

318+63

SEE SHEET 19 TO MATCH

FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
2225'	BURIED 96 STRAND F.O. CABLE
2075'	1.25" HDPE CONDUIT
0'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
1	BURIED MARKER
1	NEW HAND HOLE
2075'	ROCK SAW

Drawing Name:Port of Whitman		Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 20

REV.	DESCRIPTION	DATE	BY

Contact Information

Port of Whitman  
Kalvin Johanson  
509-397-3791  
Outside Plant Maintenance, llc  
Ron Glessner208-661-5648

State:WA  
County: Whitman  
City: MALDEN

Section:  
Township:  
Range:  
Legal:







FIBER CONSTRUCTION	
0'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
1880'	BURIED 96 STRAND F.O. CABLE
1580'	1.25" HDPE CONDUIT
0'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
2	BURIED MARKER
2	NEW HAND HOLE
680'	ROCK SAW

INSTALL HH OUT OF ROAD IN GRASS AREA. LEAVE 150' F.O. CABLE SLACK IN HH. INSTALL ROUTE MARKER NEXT TO HH.

INSTALL HH BESIDE WOODEN SHED WEST SIDE. LEAVE 150' SLACK IN HH

(1) BURIED 96 STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE INSIDE (1) 1¼" HDPE CONDUIT PLOW IN CONDUIT IN RT WHEEL TRACK AT MINIMUM DEPTH 48"

RESTORE GRAVEL AT 400 YARDS PER MILE

ROCK SAW POSSIBLE STA.339+38 TO STA. 346+18

SEE SHEET 20 TO MATCH

Drawing Name:Port of Whitman	
Drawn By:Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>	
SIZE	FSCM NO
DWG NO	
REV	
SHEET 21	

REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY

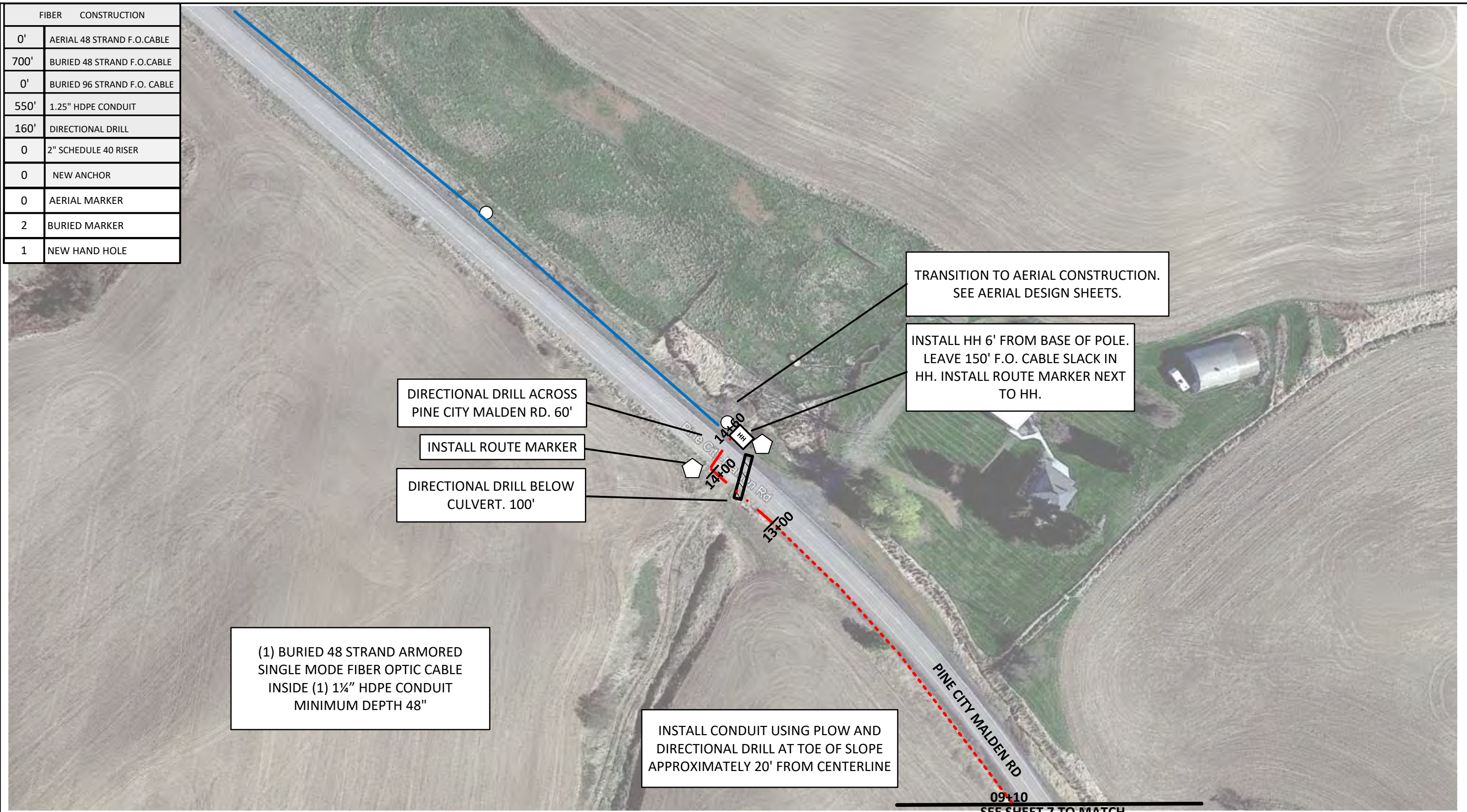
Contact Information	
Port of Whitman Kalvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner208-661-5648	

State:WA County: Whitman City: MALDEN
Section: Township: Range: Legal:

State:WA County: Whitman City: MALDEN
Section: Township: Range: Legal:



FIBER	CONSTRUCTION
0'	AERIAL 48 STRAND F.O.CABLE
700'	BURIED 48 STRAND F.O.CABLE
0'	BURIED 96 STRAND F.O. CABLE
550'	1.25" HDPE CONDUIT
160'	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
0	NEW ANCHOR
0	AERIAL MARKER
2	BURIED MARKER
1	NEW HAND HOLE



Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>ROSALIA TO MALDEN</b>			
SIZE	FSCM NO	DWG NO	REV
			SHEET 22

REV.	DESCRIPTION	DATE	BY

Contact Information		State: WA
Port of Whitman Kalvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner 208-661-5648		County: Whitman
		City: MALDEN
Section:		
Township:		
Range:		
Legal:		



A copy of this document and attachments must be provided to the crew installing the cable and hardware along with accompanying audit noting additional requirements. *This paperwork must be in possession of the crew doing the work and made available to any Avista employee on demand.* Applicant shall obtain, from public authorities and private owners of real property any and all permits or easements required for lawful exercise of the permission granted by this approved application.

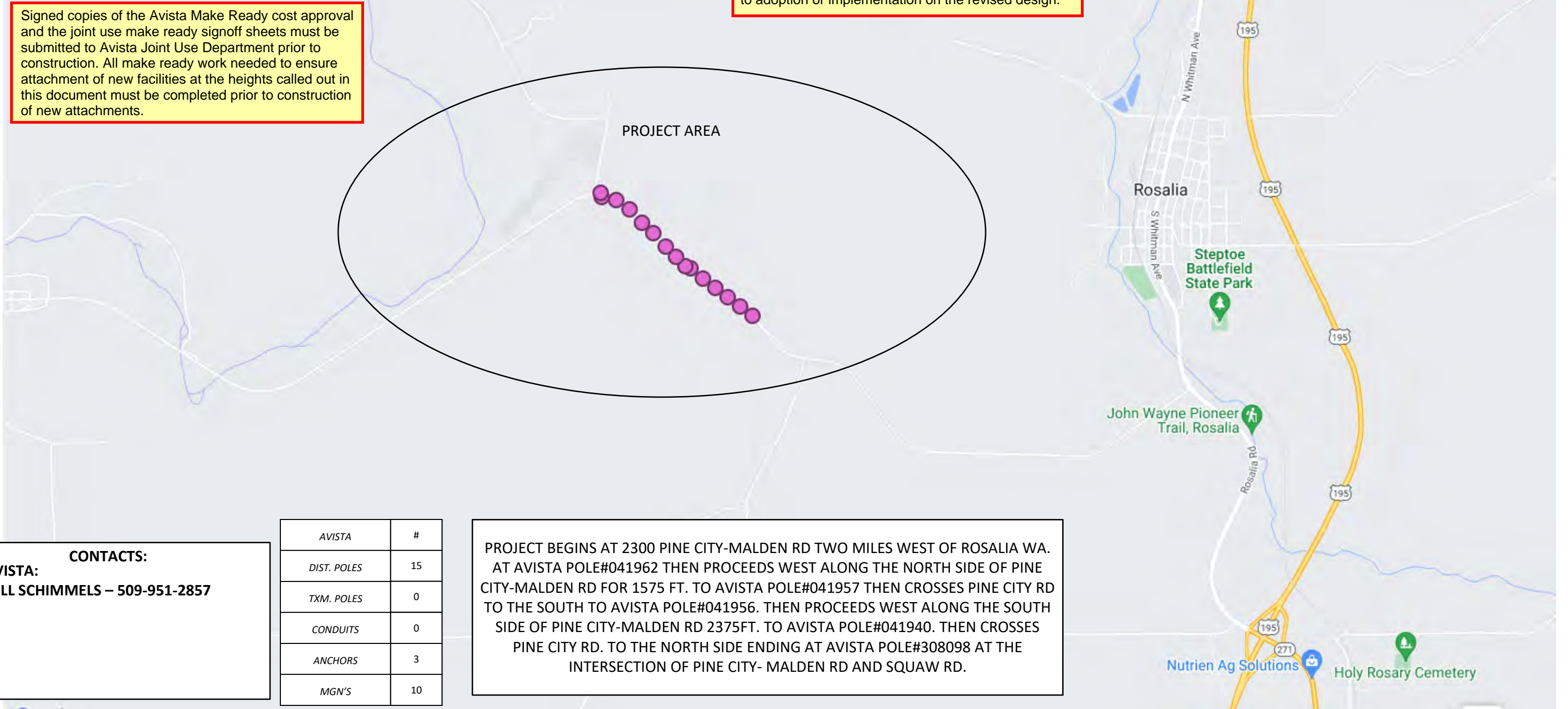
**ALL MAKE-READY SHALL BE COMPLETE PRIOR TO (OR AT TIME OF) CONSTRUCTION**

Applicant shall defend Avista from all claims and injuries, as to the applicants right to be on Avista facilities. This route application is approved based on noted conditions. All Make Ready (MR) costs shall be at the requestors expense unless stated otherwise. Any field changes to the design must be noted by your construction foreman on an as-built drawing and sent to Avista Joint Use Dept no later than two weeks after construction is complete.

Signed copies of the Avista Make Ready cost approval and the joint use make ready signoff sheets must be submitted to Avista Joint Use Department prior to construction. All make ready work needed to ensure attachment of new facilities at the heights called out in this document must be completed prior to construction of new attachments.

**APPROVED** 2022-165  
 By David E. Clark at 1:02 pm, May 11, 2022

**Disclaimer**  
 All comments, suggestions, recommendations and requirements noted by the Avista inspector are for information purposes only. They should be verified and confirmed by the submitter's designer or engineer prior to adoption or implementation on the revised design.



**CONTACTS:**  
**AVISTA:**  
**WILL SCHIMMELS – 509-951-2857**

AVISTA	#
DIST. POLES	15
TXM. POLES	0
CONDUITS	0
ANCHORS	3
MGN'S	10

PROJECT BEGINS AT 2300 PINE CITY-MALDEN RD TWO MILES WEST OF ROSALIA WA. AT AVISTA POLE#041962 THEN PROCEEDS WEST ALONG THE NORTH SIDE OF PINE CITY-MALDEN RD FOR 1575 FT. TO AVISTA POLE#041957 THEN CROSSES PINE CITY RD TO THE SOUTH TO AVISTA POLE#041956. THEN PROCEEDS WEST ALONG THE SOUTH SIDE OF PINE CITY-MALDEN RD 2375FT. TO AVISTA POLE#041940. THEN CROSSES PINE CITY RD. TO THE NORTH SIDE ENDING AT AVISTA POLE#308098 AT THE INTERSECTION OF PINE CITY- MALDEN RD AND SQUAW RD.

Drawing Name:Port of Whitman		Drawn By:Ron Glessner 04-20-22			
<b>SQUAW ROAD</b>					
SIZE	FSCM NO	DWG NO		REV	
				SHEET 1	

REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY

Contact Information  
 Port of Whitman  
 Calvin Johanson  
 509-397-3791  
 Outside Plant Maintenance, llc  
 Ron Glessner 208-661-5648

State:WA  
 County: Whitman  
 City: MALDEN  
 Section:  
 Township:  
 Range:  
 Legal:



**GENERAL CONSTRUCTION NOTES**

CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS EXCEPT STATE HWY., COUNTY ROAD,RAILROAD OR WATER CROSSINGS.

RESTORATION OF ALL RIGHT OF WAY GROUND WILL BE RESTORED TO ORIGINAL CONDITION OR BETTER.

CONTRACTOR WILL COORDINATE WITH OSP MANAGER 24 HRS. PRIOR TO BEGINNING CONSTRUCTION.

OSP MANAGER WILL CONTACT BUILDING OWNER/TENANT 24 HRS. PRIOR TO BEGINNING CONSTRUCTION TO COORDINATE ACCESS TO BUILDINGS.

CONTRACTOR IS RESPONSIBLE FOR CALLING LOCATES AND IS RESPONSIBLE FOR REPAIR AND RESTORATION OF DAMAGED UTILITIES.

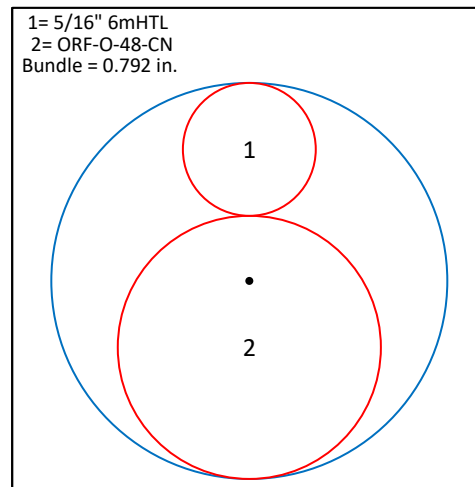
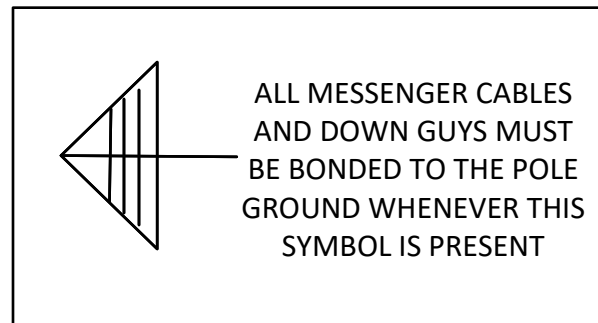
FOLLOW ALL NESC CONSTRUCTION GUIDELINES.

CONTRACTOR WILL HAVE ON SITE THE APPROVED DRAWINGS FROM THE UTILITY AND OR STATE,COUNTY,CITY,RAILROAD.

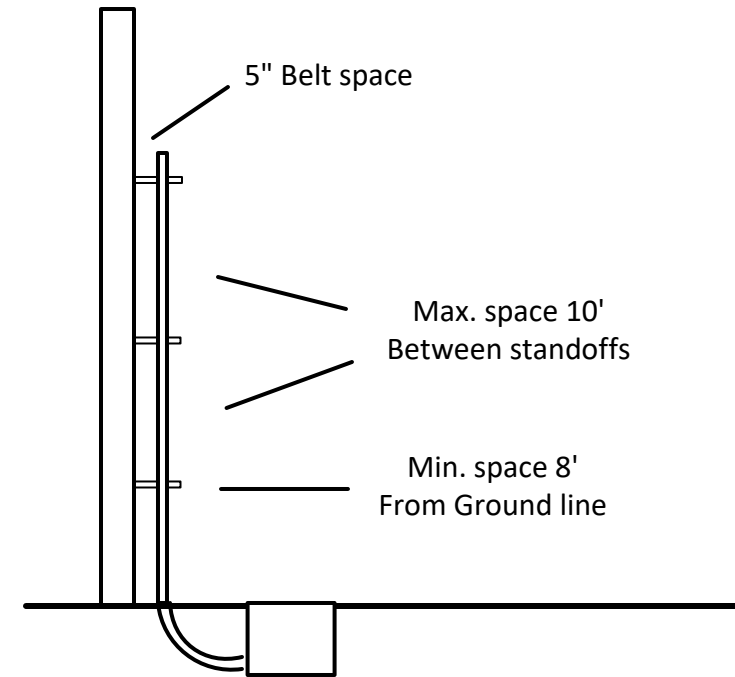
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR AS MODIFIED BY THE TRAFFIC ENGINEER. ALL WORK REQUIRING LANE CLOSURES MUST BE PRE-APPROVED. FIRE , PEDESTRIAN , AND VEHICULAR ACCESS MUST BE MAINTAINED IN ACCORDANCE WITH ADA REQUIREMENTS DURING ANY SIDEWALK CLOSURES. IF THE TEMPORARY TRAFFIC CONTROLS INVOLVE COUNTY OR CITY ROADS , CONTRACTOR SHALL CONTACT THE APPROPRIATE PUBLIC WORKS DEPARTMENT.

CONTRACTOR WILL PROVIDE AERIAL HARDWARE, ANCHORS AND CONDUIT.

PORT OF WHITMAN (POW) WILL PROVIDE 48 CT ARMORED FIBER OPTIC CABLE, AERIAL MARKERS ,ROUTE MARKER AND HAND HOLE.



**Riser Detail**



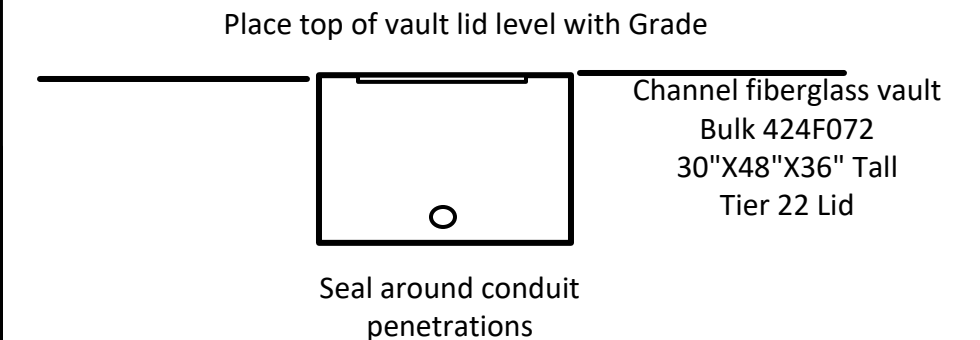
Place vaults Min. 6' from base of pole

	CULVERT
	DIRECTIONAL BORE
	AERIAL CABLE
	BURIED CABLE
	NEW ANCHOR
	SIDEWALK ANCHOR
	EXISTING ANCHOR
	OVERHEAD GUY
	ATTACH TO POLE GROUND
	FIBER SLACK LOOP
	JOINT USE POLE
	CABLE CHANGE
	BURIED ROUTE MARKER
	EXISTING HAND HOLE
	NEW HAND HOLE

**APPROVED** 2022-165  
By David E. Clark at 1:02 pm, May 11, 2022

FIBER	CONSTRUCTION TOTALS
4000'	AERIAL 48 STRAND F.O.CABLE
150'	Buried 48 STRAND F.O.CABLE
0'	1 1/2" HDPE CONDUIT
2	2" SCHEDULE 40 RISER
3	NEW ANCHOR
15	AERIAL MARKER
1	BURIED MARKER
0	PUPI ARM
0	EXTENSION ARM
1	NEW HAND HOLE

**Vault/ Hand Hole Detail**



<b>Drawing Name:Port of Whitman</b>		Drawn By:Ron Glessner 04-20-22	
<b>SQUAW ROAD</b>			
SIZE	FSCM NO	DWG NO	REV
SCALE	No scale	SHEET 2	

REV.	DESCRIPTION	DATE	BY

<b>Contact Information</b>		State:WA. County: Whitman City: MALDEN
Port of Whitman KALVIN JOHANSON 509-397-3791 Outside Plant Maintenance,llc Ron Glessner208-661-5648		Section: Township: Range: Legal:



SEE SHEET 4 TO MATCH

12+75			
POLE #	041958 ✓		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'	RS	
Proposed POW	22'	RS	

(1) AERIAL 48 STRAND SINGLE MODE FIBER OPTIC CABLE ON 5/16" EHS MESSENGER  
PLACE AERIAL MARKER AT EACH POLE

FIBER CONSTRUCTION	
1575'	AERIAL 48 STRAND F.O. CABLE
0'	BURIED 48 STRAND F.O. CABLE
0'	BURIED 96 STRAND F.O. CABLE
0'	1.25" HDPE CONDUIT
0	DIRECTIONAL DRILL
1	2" SCHEDULE 40 RISER
1	NEW ANCHOR
5	AERIAL MARKER
0	BURIED MARKER
0	NEW HAND HOLE

09+55			
POLE #	041959 ✓		
POLE CLASS	CL-4 40'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	25'	RS	
Proposed POW	21'6"	RS	

06+35			
POLE #	041960 ✓		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'	RS	
Proposed POW	22'	RS	

03+15			
POLE #	041961 ✓		
POLE CLASS	CL-4 40'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	25'8"	RS	
Proposed POW	22'	RS	

00+00			
POLE #	041962 ✓		
POLE CLASS	CL-4 40'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	23'9"	RS	
Proposed POW	20'	RS	

POW INSTALL ANCHOR AND DG WITH 12' LEAD. INSTALL RISER. SEE DETAIL SHT.6

AVISTA	#
DIST. POLES	5
TXM. POLES	0
CONDUITS	0
ANCHORS	0
MGN'S	2

**APPROVED** 2022-165  
By David E. Clark at 1:02 pm, May 11, 2022

Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>SQUAW ROAD</b>			
SIZE	FSCM NO	DWG NO	REV
SHEET 3			

REV.	DESCRIPTION	DATE	BY

Contact Information  
  
Port of Whitman  
Kalvin Johanson  
509-397-3791  
Outside Plant Maintenance, llc  
Ron Glessner 208-661-5648

State: WA  
County: Whitman  
City: MALDEN  
  
Section:  
Township:  
Range:  
Legal:



SEE SHEET 5 TO MATCH

(1) AERIAL 48 STRAND SINGLE MODE FIBER OPTIC CABLE ON 5/16" EHS MESSENGER

PLACE AERIAL MARKER AT EACH POLE

FIBER	CONSTRUCTION
1390'	AERIAL 48 STRAND F.O.CABLE
0'	BURIED 48 STRAND F.O.CABLE
0'	BURIED 96 STRAND F.O. CABLE
0'	1.25" HDPE CONDUIT
0	DIRECTIONAL DRILL
0	2" SCHEDULE 40 RISER
1	NEW ANCHOR
5	AERIAL MARKER
0	BURIED MARKER
0	NEW HAND HOLE

AVISTA	#
DIST. POLES	5
TXM. POLES	0
CONDUITS	0
ANCHORS	1
MGN'S	4

26+15			
POLE #	041953 ✓		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'	RS	
Proposed POW	23'6"	RS	

22+65			
POLE #	041954 ✓		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'10"	RS	
Proposed POW	23'6"	RS	

19+75			
POLE #	041955 ✓		
POLE CLASS	CL-4 40'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	25'8"	RS	
Proposed POW	22'	RS	

17+00			
POLE #	041956 ✓		
POLE CLASS	CL-4 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'10"	RS	
Secondary	28'2"		
Proposed POW	23'6"	RS	

15+75			
POLE #	041957 ✓		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'6"	RS	
Proposed POW	23'6"	RS	

POW DG TO AVA ANCHOR ✓

POW INSTALL NEW ANCHOR AND DG WITH 20' LEAD SOUTH ✓

**APPROVED** 2022-165  
By David E. Clark at 1:02 pm, May 11, 2022

SEE SHEET 3 TO MATCH

Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22	
<b>SQUAW ROAD</b>			
SIZE	FSCM NO	DWG NO	REV
		SHEET 4	

REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY
REV.	DESCRIPTION	DATE	BY

Contact Information	State: WA County: Whitman City: MALDEN
Port of Whitman Kalvin Johanson 509-397-3791 Outside Plant Maintenance, llc Ron Glessner 208-661-5648	Section: Township: Range: Legal:



(1) AERIAL 48 STRAND SINGLE MODE FIBER OPTIC CABLE ON 5/16" EHS MESSENGER  
PLACE AERIAL MARKER AT EACH POLE

FIBER	CONSTRUCTION
1035'	AERIAL 48 STRAND F.O.CABLE
150'	BURIED 48 STRAND F.O.CABLE
0'	BURIED 96 STRAND F.O. CABLE
0'	1.25" HDPE CONDUIT
0	DIRECTIONAL DRILL
1	2" SCHEDULE 40 RISER
1	NEW ANCHOR
5	AERIAL MARKER
1	BURIED MARKER
1	NEW HAND HOLE

AVISTA	#
DIST. POLES	5
TXM. POLES	0
CONDUITS	0
ANCHORS	2
MGN'S	4

40+00			
POLE #	308098		
POLE CLASS	CL-4 40'		
ATTACHMENTS	HOA	POSITION	MISC
RISER	27'10"		
Proposed POW	23'	RS	

POW INSTALL RISER ✓  
SEE SHT.6 DETAIL

36+15			
POLE #	041941		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'	RS	
Proposed POW	23'6"	RS	

POW DG TO AVA ANCHOR NORTH ✓

POW INSTALL HH MIN. 6' FROM POLE.  
INSTALL LOCATE ROUTE MARKER.  
LEAVE 150' SLACK IN HH

39+25			
POLE #	041940		
POLE CLASS	CL-4 40'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	23'6"	RS	
Proposed POW	20'	RS	

POW INSTALL NEW ANCHOR  
AND DG WITH 10' LEAD  
WEST SIDE ✓

FRAME AS SLACK SPAN ✓

**CAUTION: 13:2 KV**  
Maintain **MINIMUM 43"** clearance  
under Avista slack-span.

32+90			
POLE #	041951		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'6"	RS	FS
Proposed POW	23'6"	RS	FS

POW DG TO AVA ANCHOR NORTH ✓

Please follow field-side (FS)  
attachment on this running-angle pole.

29+65			
POLE #	041952		
POLE CLASS	CL-3 45'		
ATTACHMENTS	HOA	POSITION	MISC
NEUTRAL	28'6"	RS	
Proposed POW	23'6"	RS	

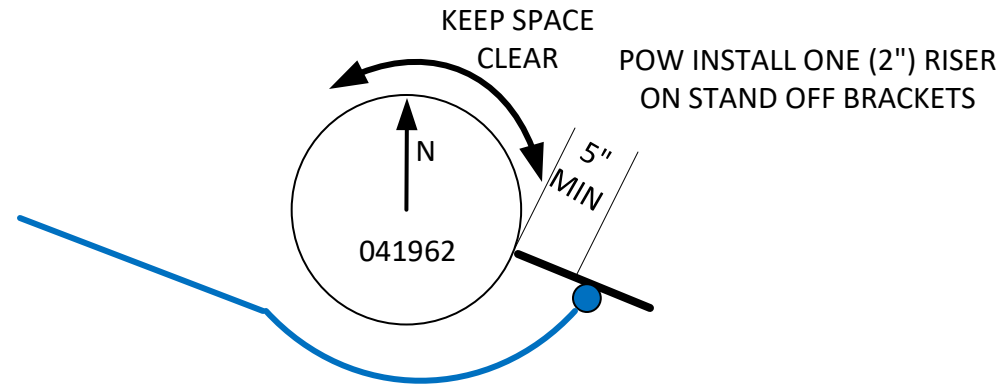
**APPROVED** 2022-165  
By David E. Clark at 1:02 pm, May 11, 2022

SEE SHEET 4 TO MATCH

Drawing Name: Port of Whitman		Drawn By: Ron Glessner 04-20-22		REV. DESCRIPTION DATE BY		Contact Information		State: WA County: Whitman City: MALDEN	
		<b>SQUAW ROAD</b>		REV. DESCRIPTION DATE BY		Port of Whitman Kalvin Johanson 509-397-3791		Section: Township: Range: Legal:	
SIZE	FSCM NO	DWG NO	REV	REV. DESCRIPTION DATE BY		Outside Plant Maintenance, llc Ron Glessner 208-661-5648		OPM OUTSIDE PLANT MAINTENANCE	
			SHEET 5	REV. DESCRIPTION DATE BY				N [Compass Rose]	

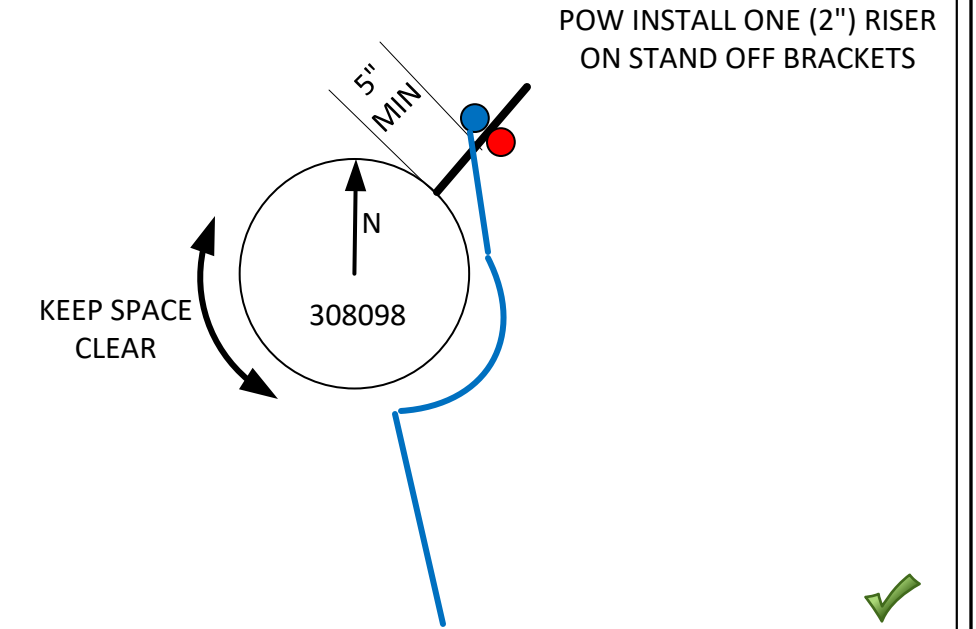
STA. 00+00 SHEET 3

● = POW



STA. 40+00 SHEET 5

● = AVISTA  
● = POW



**APPROVED** 2022-165  
By David E. Clark at 1:02 pm, May 11, 2022

Drawing Name: Port of Whitman	Drawn By: Ron Glessner 04-20-22				REV.	DESCRIPTION	DATE	BY	Contact Information	State: WA County: Whitman City: MALDEN
	<b>SQUAW ROAD</b>				REV.	DESCRIPTION	DATE	BY		
	SIZE	FSCM NO	DWG NO	REV	REV.	DESCRIPTION	DATE	BY	Outside Plant Maintenance, llc Ron Glessner 208-661-5648	Section:
					REV.	DESCRIPTION	DATE	BY		Township:
			SHEET 6		REV.	DESCRIPTION	DATE	BY	Range:	Legal:





# Whitman County Public Works Utility (Phone, Power, Gas) Underground Installation Requirements

## Plans and Installation Depth:

- Engineered plans must be submitted to Public Works prior to a utility installation permit being issued.
- Minimum installation depth of four (4) feet below the road surface is required. Four foot minimum depth is also required under drainage ditches and structures.
- Exceptions to the minimum depth may be granted on an individual basis. For instance, in solid rock, lines could be installed shallower than 4 feet. In rock areas where the minimum depth cannot be achieved, the contractor must use a rock saw to embed the utility into the rock. Other rock installation methods will not be approved.

## Routes:

- **All routes and locations within the route must be pre-approved by Public Works.**
- Open cutting of paved surfaces is prohibited unless pre-approved by Public Works.
- Installations on gravel and dirt roads shall be buried under the road surface, a minimum of three (3) feet away from the road shoulder. Any deviations must be pre-approved by Public Works Road District Superintendent.
- All buried utilities must have a way to accurately locate them such as a locator line or wire.
- Warning tape shall be installed a minimum of 18 inches above all buried utilities.

## Inspection:

- **A Full time on-site inspector required of the utility company/contractor.**
- Whitman County Road staff will “spot” inspect the project daily for quality assurance. Contractors must notify Whitman County a minimum of 24 hours prior to commencing work.
- Projects will be shut down immediately if there is no owner/contractor inspector on site.

## Installation:

- A road grader must always be on site to grade rock to the side of the road at installation locations, then to grade back across the installation after the utility line is pulled through. Pre-approved compaction equipment must be used to mitigate all areas disturbed during installation.
- Boring, to a minimum depth of four (4) feet, under all culvert and other crossing locations is required. Culverts damaged by utility “plowing” will be replaced or repaired to Whitman County’s satisfaction at the sole expense of utility owner and/or contractor.
- **Road surface must be returned to safe condition daily.**

## Job Completion and Certification:

- A Licensed Professional Engineer or pre-approved substitute (such as owner) will sign off on project completion to insure proper installation.
- **Gravel surfaces WILL require additional crushed aggregate applied at a minimum of 500 yards per mile.** If pre-approved, Whitman County can apply the aggregate to the road. If Whitman County mitigates the road surface, a fee of \$14.00 per yard, at 500 yards per mile, will be assessed to owner/contractor of the new utility line.
- Paved surfaces may require new asphalt in order to return the road to its original condition.
- All utility installation projects are subject to **Winter Shutdown on November 1<sup>st</sup>**. No exceptions.
- After installation is complete, all utility lines must be submitted in a timely fashion to ONE CALL CONCEPTS, INC.