



Bid Package

Small Works Road Repair Project

Bid Due Date:

Tuesday, July 20, 2021 @ 2:00 p.m.

INVITATION TO BID
By the City of Homer, Alaska
For the Small Works Road Repair Project

Sealed Bids for Homer Small Works Road Repair Project will be received by the Office of the City Clerk, 491 E. Pioneer Avenue, Homer, Alaska 99603 until **2:00 PM on July 20, 2021**, at which time they will be publicly opened. Bids received after the time fixed for receipt of the Bid shall not be considered. **All bidders must submit a City of Homer Plan Holders Registration form to be on the Plan Holders List to be considered responsive.** Plan holder registration forms and Plan and Specification are available online at <http://www.cityofhomer-ak.gov/rfps>

A pre-bid conference will be held at 2:00 p.m. on Thursday, July 8, 2021 in the Cowles Council Chambers located at City Hall 491 E Pioneer Avenue Homer, Alaska 99603. A Site Visit will immediately follow.

An electronic copy of the Bid Documents and Plan Holder Registration form are available online at <https://www.cityofhomer-ak.gov/rfps>. Paper copies of the Bid Documents may be purchased at the Office of the City Clerk upon payment of \$10 per set (\$15 for priority mail delivery). All fees are non-refundable.

For Bid Plans and Specifications contact:

City Clerk
491 E. Pioneer Avenue
Homer, Alaska 99603
(907) 235-3130

The project consists of furnishing all labor, materials, equipment, tools, supervision, and other facilities necessary to repair various road sections in the City of Homer. The work includes, but is not limited to the following:

Excavation and replacement of unsuitable material in gravel road beds to mitigate the potential for frost boils. This will be an Indefinite Duration, Indefinite Quantity (IDIQ) contract; that is, the City will designate specific road sections, which will require varying quantities of excavation and backfill as well as time required to complete the work. The Contractor will be compensated for the actual quantities of work performed.

Please direct all questions regarding this project to:

Janette Keiser, PE
Public Works Director
(907) 435-3141

The City of Homer reserves the right to accept or reject any or all bids, and to waive irregularities or informalities in the bids.

Dated this 21st, 2021.

City of Homer



Robert Dumouchel, City Manager

Ad# 21-060

Publish: Homer News June 24 and July 1, 2021

Peninsula Clarion June 27, 2021

INSTRUCTIONS TO BIDDERS

City of Homer, Alaska Small Works Road Repair Project

The City of Homer, Alaska is requesting bids from qualified firms and individuals for the project described herein.

The following subjects are discussed herein to assist in the preparation of bids.

- I. Introduction
- II. Scope of Services
- III. General Bidding Requirements
- IV. The Bid Package
- V. Tentative Project Schedule
- VI. Instructions to Bidders
- VII. Labor Rates
- VIII. Equal Opportunity Employment Certification

I. Introduction

The City of Homer requests bids for the repair of designated sections of City roads by excavating unsuitable soils, installing geotextile fabric, and backfilling with classified materials. This will be an Indefinite Duration, Indefinite Quantity (IDIQ) contract; that is, the City will designate specific road sections, which will require varying quantities of excavation and backfill as well as varying durations of time required to complete the work. The Contractor will be compensated for the actual quantities of work performed. Work related to a specific road section will be assigned in Task Orders, which will be issued for specific road sections, over the duration of the contract.

II. Scope of Services

The project consists of furnishing all labor, materials, equipment, tools, supervision, and other facilities necessary to repair various road sections in the City of Homer. The work includes, but is not limited to the following:

Excavation and replacement of unsuitable material in gravel road beds to mitigate the potential for frost boils. The City will designate specific road sections, which will require varying quantities of excavation and backfill as well as varying durations of time required to complete the work. The Contractor will be compensated for the actual quantities of work performed.

The proposed work is located within the limits of the City of Homer and specific locations will be designated on the site map, but the City reserves the right to add or remove locations as local conditions require.

III. General Bidding Requirements

The work must be performed by a Contractor skilled and regularly engaged in the type of work called for under the Contract. Bidders must have a current contractor's license issued by the State of Alaska. The license must apply to the work described in the Invitation. The City's local bidder preference requirements apply to this contract. State prevailing wage rates will apply.

An electronic copy of Plans and Specifications is available on the City's website <http://www.cityofhomer-ak.gov/rfps> or you may purchase hard copies at the Office of the City Clerk upon payment of \$10 per set (\$15 for overnight delivery). City of Homer Standard Construction Specifications 2011 Edition (containing general contract provisions) may also be downloaded from the city's website. All fees are non-refundable. The City of Homer reserves the right to accept or reject any or all bids, to waive irregularities or informalities in the bids, and to award the contract to the lowest responsive, responsible bidder.

Bids must be submitted on the Bid Form and be received by **2:00 PM, Tuesday, July 20, 2021**, at the Office of the City Clerk, City of Homer 491 E. Pioneer Avenue, Homer, Alaska, 99603. A bid bond is **not** required.

A Pre-Bid Conference will be held on Thursday, July 8, 2021 in Cowles Council Chamber at City Hall, 491 E Pioneer Ave Homer, Alaska. Masks are recommended for those not vaccinated. This meeting will be conducted via Zoom simultaneously and invitations will be emailed to all potential bidders listed on the Plan Holder's List.

IV. The Bid Package

The City of Homer requires a two-part Bid Package, Part A and Part B. Each portion of the Bid Package must be submitted in separate envelopes, which shall be combined into one single Bid Package, marked with the name of the project and the time/date of the bid opening. Bidders information should be on the envelope in the upper left corner.

At the bid opening, Part B is opened first and must be complete or Part A will not be opened and the bid will be rejected.

Part A of the bid contains:

- a. Bid Form

Part A must be submitted, as part of the Bid Package, in a separate envelope marked Part A.

Part B of the bid contains:

- a. Addenda Acknowledgment form
- b. If signature on the Bid is by an agent, other than an Officer of a Corporation, of a member of a Co-partnership, a Power of Attorney must either be submitted in Part B.
- c. EEO-1 Certification
- d. Equal Employment Opportunity Statement of Acknowledgement form
- e. Equal Employment Opportunity Clause (Form included bidding information)

Part B must be submitted, as part of the Bid Package, in a separate envelope marked Part B.

V. Tentative Project Schedule

- Pre-bid Conference July 8, 2021

- Bids Due July 20, 2021
- Notice of Intent to Award July 21, 2021
- Recommendation to City Council July 26, 2021
- Contract Execution July 28, 2021
- Notice to Proceed July 29, 2021
- Pre-Construction Meeting July 30, 2021
- Anticipated Start or Construction August 9, 2021
- Contract Expiration December 31, 2022

VI. Instructions to Bidders

The City of Homer intends to award the contract to the lowest responsive, responsible bidder but reserves the right to accept or reject any or all proposals, to waive irregularities or informalities in the bids or bid process, and to award the contract to the bidder that best meets the criteria stated below. Local bidder preference will apply when determining the lowest bidder.

A. Qualification of Bidders

It is the intention of the City of Homer to award this contract to the Bidder who furnishes satisfactory evidence they have the requisite experience, ability and sufficient capital, facilities and plant to prosecute the work successfully (and properly) and to complete it within the time allowed in the Contract at the least cost to the City of Homer for dollars spent for value received.

B. Taxes

Attention is directed to the requirements of the General Conditions regarding the payment of taxes. All taxes that are lawfully assessed against Owner or Contractor in connection with the work shall be paid by the Contractor. The Bid prices shall include all such taxes.

The City of Homer is exempt from local sales taxes. The Contractor shall not include sales tax markup in his bid. However, in order to recoup sales tax the Contractor might pay at local vendors, the Contractor must secure a Tax Exempt card from the Kenai Peninsula Borough Tax Department.

C. Familiarization with the Work

Before submitting its Bid, each prospective Bidder shall familiarize itself with the work, labor conditions and all laws, regulations and other factors affecting performance of the work. Bidders shall carefully correlate their observations with the requirements of the Contract Documents and otherwise satisfy themselves of the expense and difficulties attending performance of the work. The submission of a Bid shall constitute an acknowledgement that the Bidder has thoroughly examined and is familiar with the Contract Documents and the provisions thereof. The failure or neglect of a Bidder to receive or examine any of the Bid Documents shall in no way relieve the bidder from any obligations with the respect to their Bid or to the Contract. Misinterpretation or a reputed lack of knowledge concerning the Bid will not serve as a basis for a claim for additional compensation.

Each Bidder shall visit the sites of the Work and completely inform themselves relative to construction hazards and procedures, the availability of lands, the character and quantity of surface and subsurface materials and utilities to be encountered, the arrangement and conditions of existing structures and facilities, the procedure necessary for maintenance of uninterrupted operations of existing facilities, the character of construction equipment and facilities needed for performance of the work, and

facilities for transportation, handling and storage of materials and equipment. All such factors shall be properly investigated and considered in the preparation of the Bid.

D. Interpretation of Bid Documents

All questions about the meaning or intent of the Contract Documents shall be submitted to the Office of the Director of Public Works in writing. Replies will be issued by Addenda emailed or delivered to all parties recorded by the City Clerk's Office as having received the Bidding documents. **The City of Homer will not be held responsible for questions received less than (5) calendar days prior to the date of opening of Bids.** Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

The Bidder shall acknowledge receipt of all Addenda on the Addendum Form, which shall be properly signed by the Bidder and placed in Part B.

It shall be the Bidder's responsibility to inquire as to addenda issued. **Failure to include the Addenda Form in Part B of the Bid Package shall result in the Bid being rejected as non-responsive.**

E. Return of Bid Guarantee (If Applicable)

Within thirty (30) days after the Bids are opened, the City will return the Bid Guarantees accompanying the Bids, which are not to be considered in making the award. The Bid Guarantees of the three (3) lowest responsive Bids will be held until the Contract has been fully executed after which time the Guarantees will be returned to the respective Bidders whose Bids the Guarantees accompanied.

F. Contract Time

This project will be awarded as an Indefinite Duration, Indefinite Quantity (IDIQ) Contract; that is, the work involves road sections, which will require varying quantities of excavation and backfill as well as varying durations of time to complete the designated road sections. The Contract will be active until December 31, 2022. While the Contract is active, work for specific road sections will be assigned to the Contractor via Task Order. Each Task Order will specify the scope, schedule and budget for a specific road section to be repaired.

G. Preparation of Bids

Bids must be submitted on the forms provided by the City and completed in all respects as required by the Bid Documents. Bids shall include all information requested herein, and be manually signed by the Bidder or the Bidder's duly authorized representative, with the Bidder's address and phone number. If the signature is by an agent, other than an Officer of a Corporation, or a member of a Co-partnership, a Power of Attorney must be submitted in Part B of the Bid; otherwise, the Bid will be rejected as non-responsive. **All Bids must be regular in every respect, and no alterations shall be made to the Bid form.**

If erasures or changes appear on the forms, each must be initialed by the person signing the Bid. No oral, telegraphic or telephone proposals will be considered.

Bid Packages, containing separate envelopes for Part A and Part B of the bid, will be received at the City Clerk's Office located at City of Homer 491 East Pioneer Avenue, Homer, Alaska 99603, until the time indicated on the Invitation to Bid. Each Bid shall be submitted enclosed in a sealed, opaque envelope.

The Bidder shall enter the Bid title and date of Bid opening on the lower left-hand corner of the Bid Package. The City is not responsible for the premature opening of, or failure to open, a bid not properly addressed and identified.

No consideration will be given by the City to a claim or error unless such claim is made to the City in writing within two (2) hours after the time of Bid opening. Written verification and supporting evidence of the error shall be delivered to the City Clerk within 24 hours of the Bid Opening (not including Saturday, Sunday or legal holidays) to allow consideration of the claim for error. Supporting evidence shall be original documents, including cost breakdown sheets, supplier quotes and other documents used to compute the Bid.

It is the bidder's responsibility to see that Bid Packages are deposited at the time and place set forth for the public opening of Bids. Bids not received by the time required will not be accepted and may be returned to the Bidder in the sealed bid package.

VII. Labor Rates

State Labor Rates.

This project is covered by the State of Alaska Title 36 Laborer's and Mechanic's Minimum Rate of Pay (AS 36.05.010 & 36.05.050) Pamphlet No. 600, Issue 41, Effective September 1, 2020. It is the responsibility of the bidder to determine the current rates of pay required and to submit the proper certified payrolls to the State Department of Labor.

VIII. Equal Opportunity Employment

Bidders must submit forms related to Equal Employment Opportunity with their bids, including:

- Equal Employment Opportunity Statement of Acknowledgement form
- Equal Employment Opportunity Clause p(Form included with instructions to bidders)
- EEO-1 Certification

Project Schedule

Small Works Road Repair Project

Advertise	Homer News Peninsula Clarion	June 24 th , July 1 st June 27 th
Pre-Bid Site Meet – Cowles Council Chamber		July 8 th
Bids Due		July 20 th
Notice of Intent to Award		July 21 st
Council Award		July 26 th
Notice to Proceed		July 27 th
Pre-Construction Meeting		August 3 rd
Start Construction		August 9 th
Construction Complete		Indefinite Date, Indefinite Quantity

CONTRACT

This Contract, made and entered into by and between the City of Homer, Alaska, a Municipal Corporation, hereinafter called the “City” and

_____ Insert Contractor Name _____

Hereinafter called the “Contractor”.

I. CONTRACT DOCUMENTS

The Contractor, in consideration of the sum to be paid by the City agrees to furnish all materials, tools, labor, machinery and appurtenances to perform the work set forth in the Contract documents, including:

- a. Signed copy of the Bid;
- b. The 2011 Homer Standard Construction Specifications;
- c. All Addenda, totaling _____;
- d. Any Task Orders

Said Contract Documents are fully and completely incorporated as part of the Contract as if the same were fully set forth herein.

In consideration of the performance of the work as set forth in these Contract Documents, the City agrees to pay to the Contractor the amounts specified in the Contract Documents and to make such payments upon the Contractor’s invoicing as approved by the City.

II. CONTRACT COMPLETION TIME

This is an Indefinite Date, Indefinite Quantity Contract which will remain valid from the the date of Contract Execution to December 31, 2022.

III. CONTRACT AMOUNT

\$ _____

In Numbers

\$ _____

In Words

IN WITNESS WHEREOF, we, the parties hereto, each herewith subscribe the same this _ day of _____, 2021.

CITY OF HOMER

By: _____

Title: Robert Dumouchel, Homer City Manager

CONTRACTOR

(Contractor)

By: _____

Title: _____

BID FORM
Small Works Road Repair

Item	Unit	Unit Price	Assumed Quantity	Extended Total
Excavation of Unusable Material	Truck Count		150	
Excavation	CY		260,000	
Type II Classified Fill	Truck Count		250	
Type III Classified Fill	Truck Count		82	
Geotextile Fabric	SY		200,000	
Traffic Control	LS per Work		1	

Grand Total: \$ _____

Name of Bidding Company _____
Address of Bidding Company _____
Signature of Company Representative _____
Printed Name of Company Representative _____
Phone#/Email _____

EQUAL EMPLOYMENT OPPORTUNITY CLAUSE

During the performance of this contract, the contractor agrees to comply with OFCC Regulations 40 CFR 60.1.4 (1) through (7) as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
2. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
3. The contractor will send to each labor union or representative of workers with whom he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order 11246 of September 24, 1965 and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The contractor will comply with all provisions of executive order 11246 of September 24, 1965 and of the rules, regulations, and relevant orders of the Secretary of Labor.
5. The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965 and by the rules, regulations, and orders of the secretary of labor, or pursuant thereto, and will permit access of his books, records, and accounts by the contracting agency and the secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
6. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any such rules, regulations or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further government contracts in accordance with procedures authorized in executive order 11246 of September 24, 1965 and such other sanctions may be imposed and remedies invoked as provided in executive order 11246 of September 24, 1965 or by rule, regulation

or order of the Secretary of Labor as otherwise provided by law.

7. The contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965 so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however that in the event the contractor becomes involved in, or is threatened win litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interest of the United States.

(Signature)

(Title)

(Date)

This form (2 pages) must be included with the Bid Part B, or the Bid will be considered non-responsive.

SPECIAL PROVISIONS

Small Works Road Repair Project

The construction contract for this project will be administered in accordance with the General Provisions of the City's Standard Construction Specifications (2011).

MODIFICATIONS TO GENERAL PROVISIONS

SP - 1: Section 10.01 Definitions

Add the following Definitions:

Indefinite Duration, Indefinite Quantity (IDIQ) Contract – A form of contract involving varying quantities of work and varying degrees of time to complete the work. Work is assigned in Task Orders, which designate a scope, schedule and budget for a specific element of work.

Task Order – The means of designating a scope, schedule and budget for a specific element of work in an IDIQ Contract. Task Orders must be fully executed by the City and the Contractor to be effective. No work shall be done without a fully executed Task Order..

SP – 2: Article 4.3 Increased or Decreased Quantities

Delete the entire article except for the first sentence.

SP – 3: Add New Article 4.6

The City needs a firm to provide earthwork construction services for an Indefinite Duration and of an Indefinite Quantity (IDIQ) to help repair specified sections of City roads, which are subject to “frost boils” and other failures. This section describes how the work will be assigned.

1. Term of Agreement

The Term of this Agreement shall be commence on the Effective Date, which shall be the date the Contract is executed by the City and the Contractor, and will expire on December 31, 2022.

2. Task Orders

Work shall be assigned by Task Orders, which shall be issued for specific sections of road that need (a) excavation of unsuitable material, which is subjecting the road to “frost boils” and other failures; (b) placement of geotextile fabric; and (c) backfill and compaction of suitable material. The format of the “Task Order” is shown as Attachment A. No work on a road section shall proceed without a fully executed “Task Order”.

Each Task Order will define the section of road that needs work and an estimate of the quantities of excavation/backfill required for that section of road. Compensation will be for the actual quantities of work performed for that road section. The City and the Contractor will negotiate a schedule for completing assigned Task Order(s), based on the severity of the damage in a particular road section and the Contractor’s availability.

3. Representative Road Sections

Attachment B shows sections of City Roads, which are representative of road sections, where unsuitable material needs to be excavated and replaced with suitable material. The estimated quantities listed in the Bid Form are based on these sections. The City reserves the right to increase or decrease the quantity of work as excavation proceeds. For example, the City may determine that more unsuitable needs to be excavated for a particular road section than what is shown on Attachment B. Or, the City may determine that sections of different roads need to be excavated.

MODIFICATIONS TO STANDARD SPECIFICATIONS

DIVISION 100 GENERAL DIVISION

SECTION 102 CONSTRUCTION SURVEYING BY CONTRACTOR

SP – 4: Section 102 Construction Surveying by Contractor

Delete Entire Section and substitute the following:

The City will mark, in the field, the sections of road, which need to be repaired.

SECTION 103 TRAFFIC SAFETY, MAINTENANCE, AND RESTORATION OF ROADS AND STREETS

SP – 5: 103.6 Basis of Payment

Change the unit for Traffic Maintenance from Lump Sum to Lump Sum per Work Site.

DIVISION 200 EARTHWORK

SECTION 204 EXCAVATION FOR TRAFFIC WAYS

SP – 6: 204.7 Method of Measurement

Add the following language:

“For purposes of estimating quantities, truck volume was assumed to be 12 CY.”

SP – 7: 204.8 Basis of Payment

Delete all language and replace with:

“Payment shall be made under the following units:

<u>Bid Item</u>	<u>Description</u>	<u>Unit</u>
204a	Excavate Unusable Material & Dispose Off-Site	Truck Count

<u>Bid Item</u>	<u>Description</u>	<u>Unit</u>
204b	Excavate Unusable Material & Dispose On-Site	CY

SECTION 205 CLASSIFIED FILL AND BACKFILL

SP – 8: 205.4 Method of Measurement

Delete the first 3 paragraphs and add the following language:

“Furnishing, placing and compacting classified backfill material will be measured by Truck Count of material placed.”

SP – 9: 205.5 Basis of Payment

Delete all language and replace with:

“Payment shall be made under the following units:

<u>Bid Item</u>	<u>Description</u>	<u>Unit</u>
205a	Type II Classified Fill	Truck Count

<u>Bid Item</u>	<u>Description</u>	<u>Unit</u>
205b	Type III Classified Fill	Truck Count

SECTION 208 COMPACTION CONTROL BY THE CONTRACTOR
SP – 10: Compaction Control by the Contractor

Delete all language in the section and replace with:

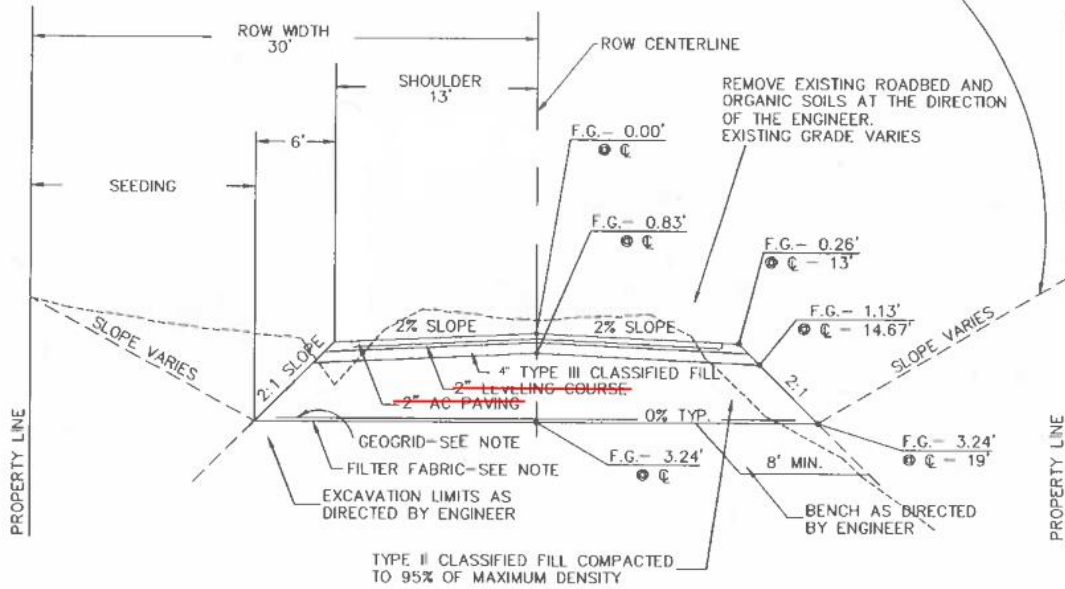
208.1 General

The City shall provide field compaction testing for quality control.”

MODIFICATIONS TO STANDARD CONSTRUCTION DETAILS


SP – 11: Add Figure 200.09 Adaptation of Typical Rural Roadway Section For Small Works Road Repair

CUT BACKSLOPE AT A 2:1 SLOPE UNLESS CATCH POINT IS OUTSIDE THE PROP. LINE. IF CATCH POINT IS OUTSIDE PROP. LINE, CUT BACKSLOPE TO THE PROP. LINE, TYP. BOTH SIDES OF ROW.



NOTES:

1. PLACE GEOGRID AND FILTER FABRIC A MINIMUM OF 1' AND A MAXIMUM OF 2' FROM EACH EDGE OF THE EXCAVATION.
2. TYPICAL CROSS SECTION MAY VARY BASED ON R.O.W. WIDTH, GEOTECHNICAL AND DESIGN INFORMATION.
3. FOR THE PURPOSES OF THIS PROJECT, LEAVE OFF THE 2" AC PAVING AND 2" LEVELING COURSE.
4. MEASUREMENTS MAY NEED TO BE ADJUSTED TO ACCOUNT FOR DIFFERENT WIDTHS ON DIFFERENT ROADS.

	SCALE: NTS REVISED: 2/2007	ADAPTATION OF TYPICAL RURAL ROADWAY SECTION FOR THE SMALL WORKS ROAD REPAIR PROJECT	DETAIL # 200.01
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ATTACHMENT A – TASK ORDER #__

This Task Order pertains to an Agreement between the City of Homer (“OWNER”), and _____ CONTRACTOR”), dated _____, __ 2021 (“the AGREEMENT”). CONTRACTOR shall perform services on the work described below. This Task Order is binding when it has been executed by both parties. Upon execution, this Task Order shall supplement the Agreement as it pertains to the work described below.

PROJECT NAME: _____.

PART 1.0 SCOPE OF SERVICES TO BE PERFORMED BY CONTRACTOR

The work consists of _____.

PART 2.0 COMPENSATION (Estimate of quantities of work to be performed.)

(See attached spreadsheet showing estimated quantities.) Maximum compensation for this Task Order is \$_____.

PART 3.0 SCHEDULE

The work described in this Task Order shall be complete no later than _____.

This Task Order is executed this ____ day of _____, 2021.

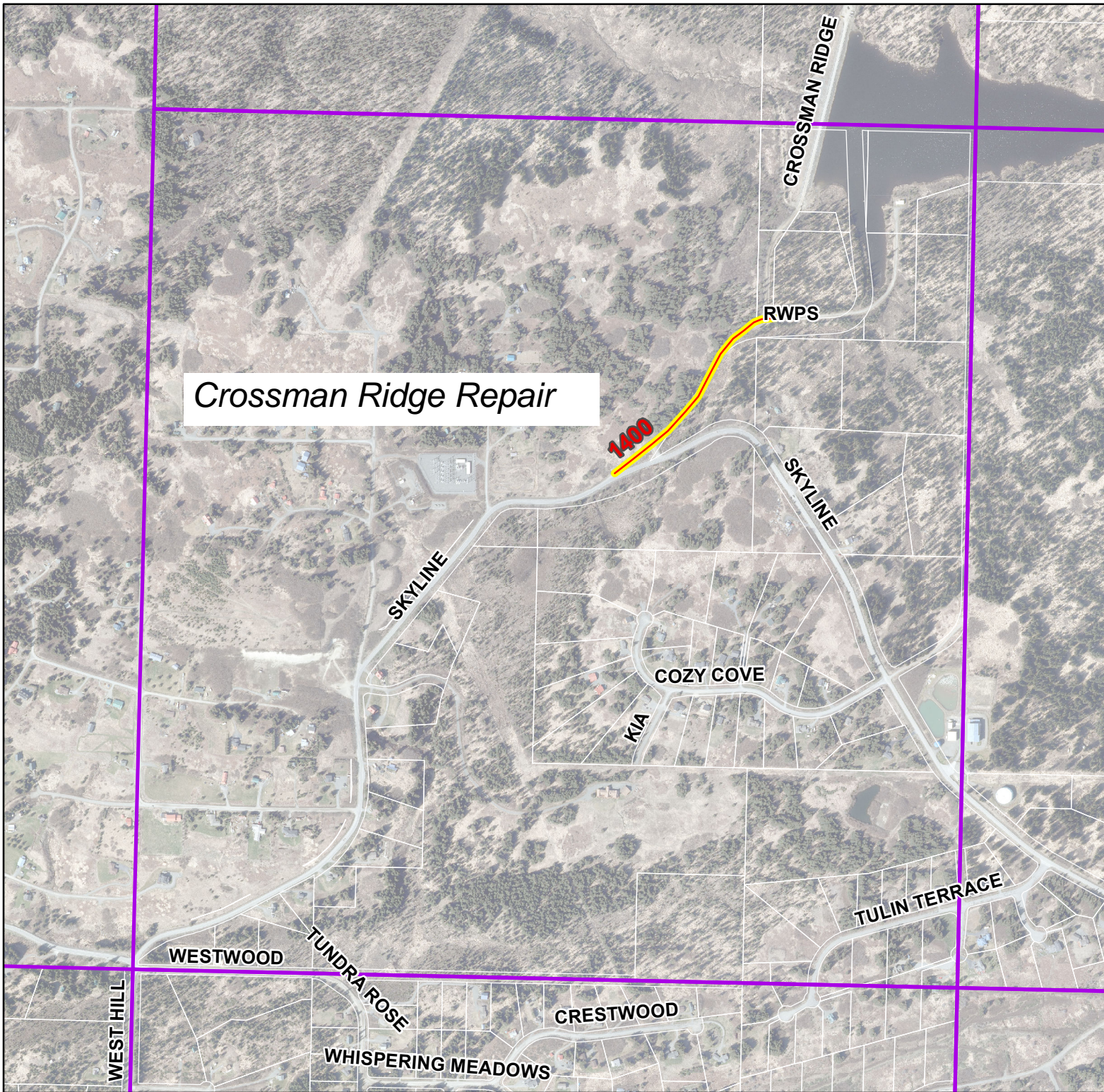
City of Homer

“OWNER”

_____ “CONTRACTOR”

By: Robert Dumouchel, City Manager

By: _____



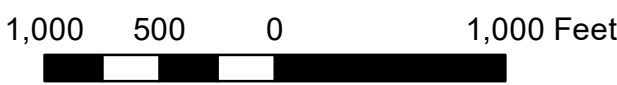
Crossman Ridge Repair

1400

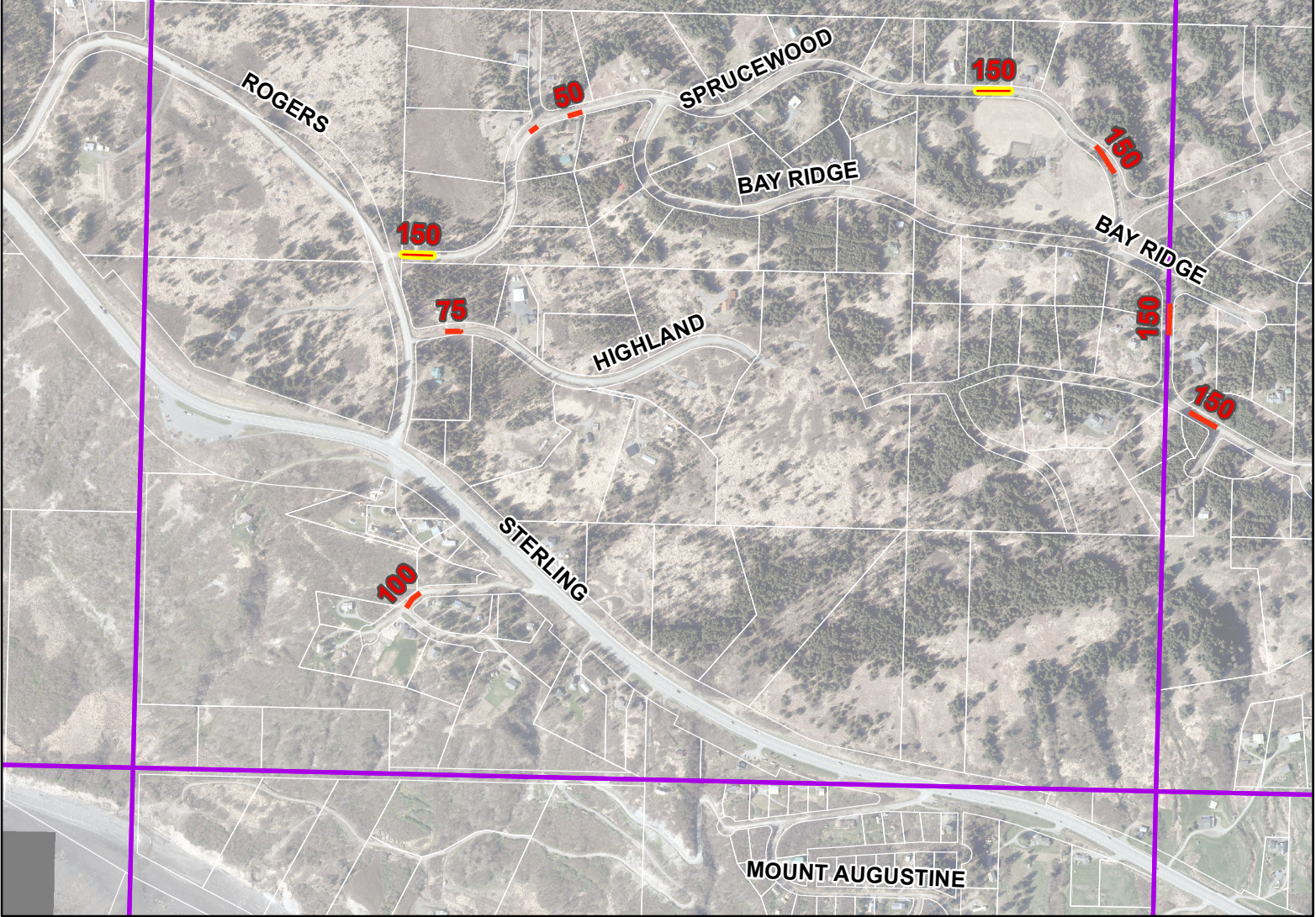
City of Homer Roads 2021 Breakup Areas

Legend

- Breakup Areas (in Feet)
- 2021 Scheduled Repairs



Sprucewood Repair

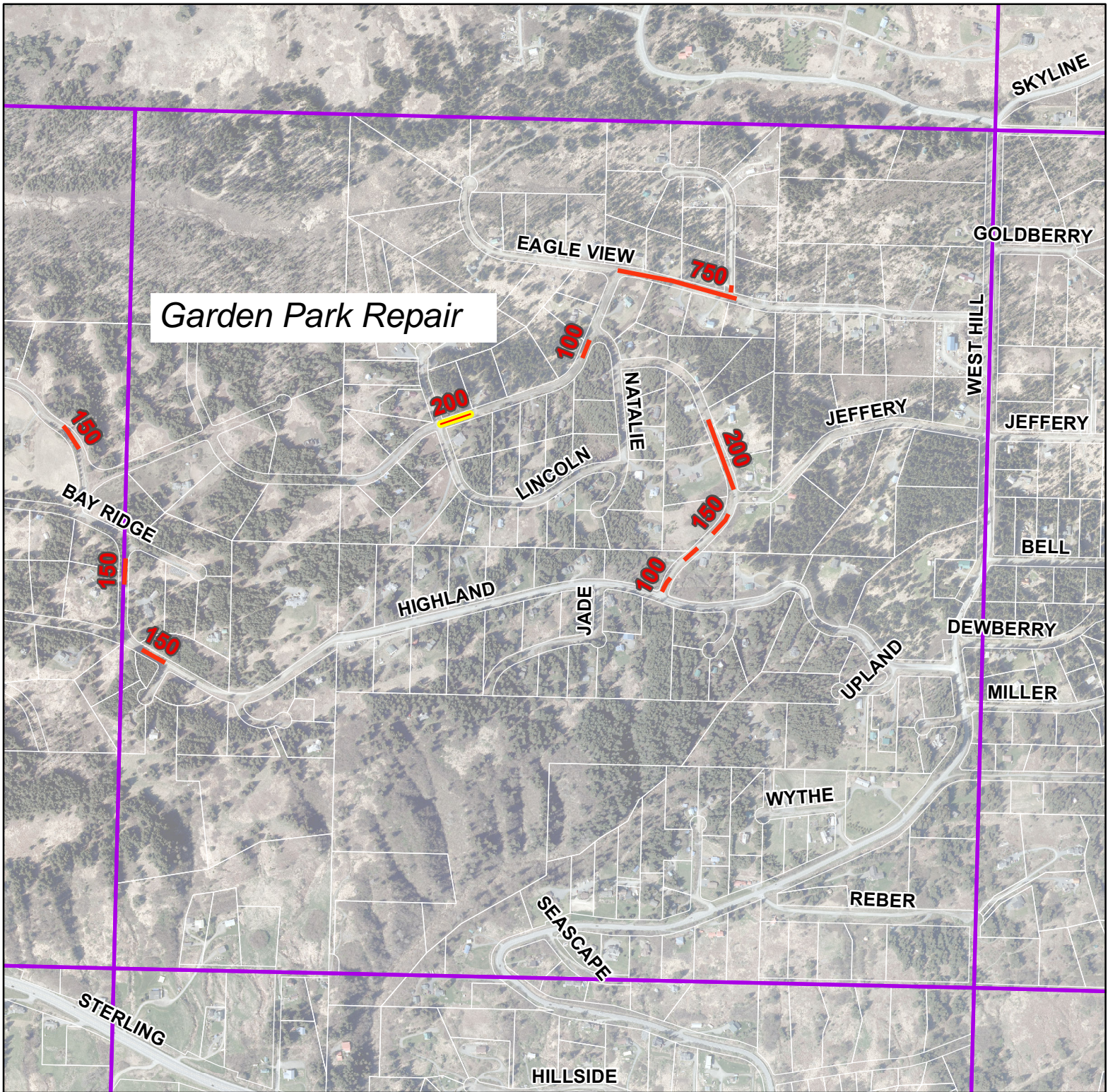


City of Homer Roads 2021 Breakup Areas

Legend



- Breakup Areas (in Feet)
- 2021 Scheduled Repairs

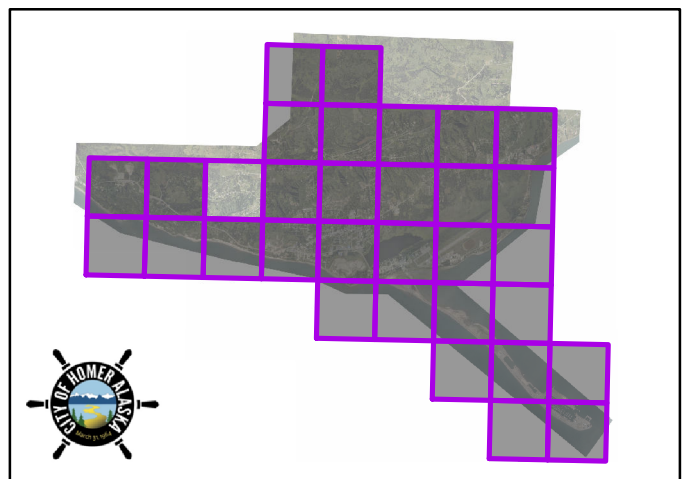


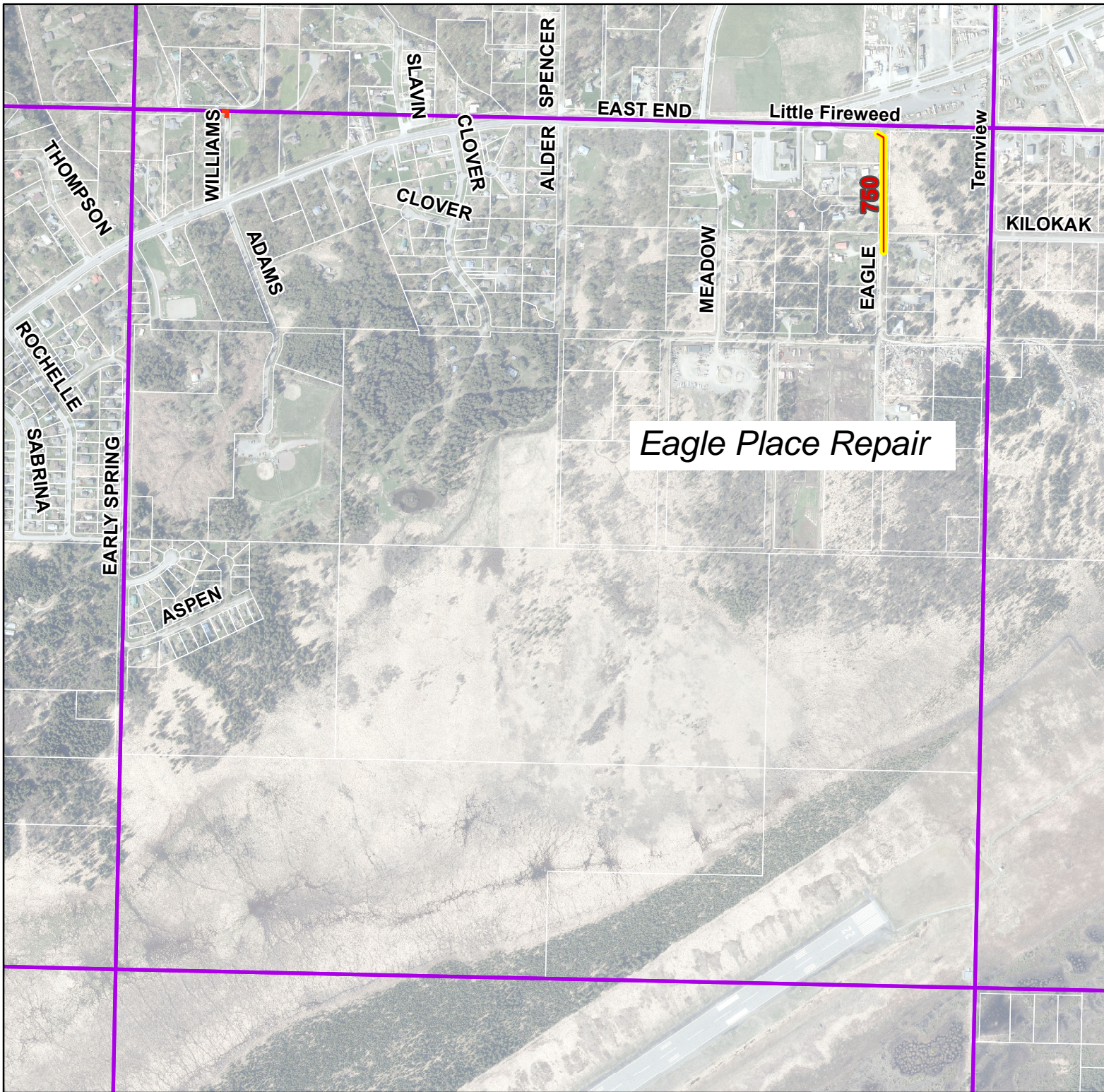


City of Homer Roads 2021 Breakup Areas

Legend

-  Breakup Areas (in Feet)
-  2021 Scheduled Repairs

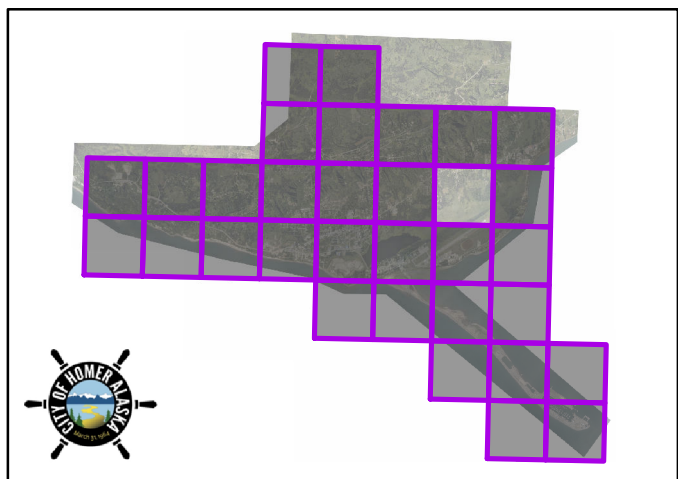
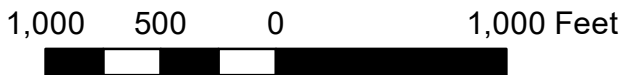




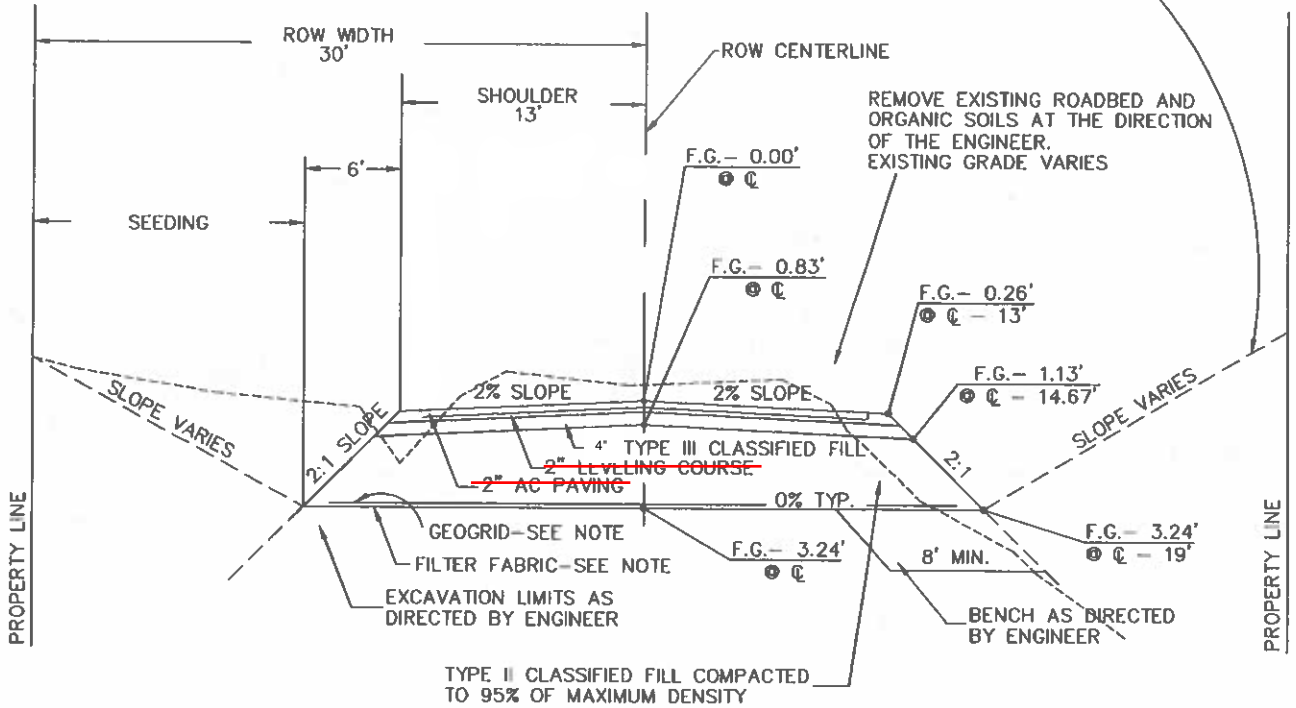
City of Homer Roads 2021 Breakup Areas

Legend

- Breakup Areas (in Feet)
- 2021 Scheduled Repairs



CUT BACKSLOPE AT A 2:1 SLOPE UNLESS CATCH POINT IS OUTSIDE THE PROP. LINE. IF CATCH POINT IS OUTSIDE PROP. LINE, CUT BACKSLOPE TO THE PROP. LINE, TYP. BOTH SIDES OF ROW.



NOTES:

1. PLACE GEOGRID AND FILTER FABRIC A MINIMUM OF 1' AND A MAXIMUM OF 2' FROM EACH EDGE OF THE EXCAVATION.
2. TYPICAL CROSS SECTION MAY VARY BASED ON R.O.W. WIDTH, GEOTECHNICAL AND DESIGN INFORMATION.
3. FOR THE PURPOSES OF THIS PROJECT, LEAVE OFF THE 2" AC PAVING AND 2" LEVELING COURSE.
4. MEASUREMENTS MAY NEED TO BE ADJUSTED TO ACCOUNT FOR DIFFERENT WIDTHS ON DIFFERENT ROADS.



SCALE:
NTS

REVISED:
2/2007

ADAPTATION OF TYPICAL RURAL ROADWAY SECTION FOR THE SMALL WORKS ROAD REPAIR PROJECT

DETAIL #

200.01