Abbreviated Plat Hearing May 3, 2023 Page 1 of 91

# MATANUSKA-SUSITNA BOROUGH

350 East Dahlia Avenue, Palmer, Alaska 99645 – 907-861-7874

PLATTING OFFICER Fred Wagner

PLATTING ADMINISTRATIVE SPECIALIST Theresa Taranto



PLATTING TECHNICIANS Amy Otto-Buchanan Matthew Goddard Chris Curlin

PLATTING ASSISTANT Kayla Kinneen

# ABBREVIATED PLAT AGENDA

ASSEMBLY CHAMBERS 350 EAST DAHLIA AVENUE, PALMER

## **REGULAR MEETING**

8:30 A.M.

May 3, 2023

**Public Participation:** To participate in the Abbreviated Plat Hearing, you can attend in person, or you can submit written comments by email to <u>platting@matsugov.us</u> or by mail to Matanuska-Susitna Borough, Platting Division, 350 E. Dahlia Avenue, Palmer, AK 99645.

# 1. INTRODUCTION

A. Introduction of Staff

2. UNFINISHED BUSINESS: (None)

# 3. PUBLIC HEARINGS:

- A. <u>NEW HOPE ESTATES RSB B3 L6-7</u>: The request is to create three lots from Lots 6 & 7, Block 3, New Hope Estates, Plat No. 2022-114, to be known as LOTS 6A, 7A & 7B, containing 19.837 acres +/-. The parcel is located south of N. Wasilla-Fishhook Road, southwest of N. Hope Farm Road and will be accessed by E. Heavenly Circle, Tract A of New Hope Estates (Tax ID#s 8313B03L006/L007); within Section 10, Township 18 North, Range 01 East, Seward Meridian, Alaska. In Fishhook Community Council and Assembly District #1. (*Petitioner/Owner: Dave Hale, PLS, R&M Consultants, Staff: Amy Otto-Buchanan, Case # 2023-035*)
- B. <u>BUSH PILOTS ESTATES PHASE 1 RSB B2 L3 & TRACT A:</u> The request is to create two lots from Lot 3, Block 2 and Tract A of Bush Pilot Estates Phase I, Plat No. 2015-38, to be known as LOTS 3A and TRACT A-1, containing 14.92 acres +/-. The parcel is located south of the intersection of W. Big Lake Road and W. Parks Highway, south of W. Padre Pio Road and borders on Johnson Pond (Tax ID#s 7399000T00A & 7399B02L003); within Section 13, Township 17 North, Range 03 West, Seward Meridian, Alaska. In Big Lake Community Council and Assembly District #5. (*Petitioner/Owner: Robbie A. & Rebecca Smart, Bush Pilot Estates, LLC, Staff: Amy Otto-Buchanan, Case # 2023-041*)

# 4. OLD BUSINESS:

A. <u>MILLHOUSE ESTATES</u>: The request is to combine Tax Parcel D4 (Government Lot 9) in Section 2 with Tax Parcels A19 & A20 (Parcels 1 & 2, MSB Waiver 85-22-PWm, recorded as 85-108W) in Section 11 and Lot 1, Block 2 of BMB Subdivision (Plat #86-154) into one lot to be known as, Millhouse Estates, containing 15.2 acres +/-. Located northwest of E. Palmer-Wasilla Highway and west of E. Myrtle Avenue, with lake frontage on Wasilla Lake {Tax ID #17N01 W02D004, 17N01W11A019, 17N01W11A020, and 3283B02L001) within the SE<sup>1</sup>/<sub>4</sub> Section 2 and NE<sup>1</sup>/<sub>4</sub> Section 11, Township 17 North, Range 01 West, Seward Meridian. In Assembly District #4 Robert Yundt. (*Petitioner/Owner: Sandra D. Millhouse, Staff: Chris Curlin, Case # 2020-009*)

THE ABBREVIATED PLAT HEARING WILL CONVENE AT **<u>8:30 A.M.</u>** on <u>May 3, 2023</u>, in the <u>Assembly Chambers</u> at the Dorothy Swanda Jones Building, 350 E. Dahlia Avenue, Palmer, Alaska.

# **Public Hearing Process**

- > Platting Officer states/reads the case/item to be addressed into the record.
- Public Hearing Notices: Secretary states the number of public hearing notices sent out and the date sent.
- Staff Report: The Platting Officer gives an overview of the project for the hearing and the public.
- Public Testimony: Members of the public are invited to sign in and testify before the officer.
   3-minute time limit per person for members of the public.
  - The time limit may be extended at the discretion of the Platting Officer.
- > The public hearing is closed by the Officer. No further public input is appropriate.
- Petitioner Comments: Petitioner, or his/her representative, comes before the officer to discuss staff recommendations and compliance with Title 43 and other applicable regulations.
  - Testimony is limited to five (5) minutes for the petitioner/applicant.
  - The time limit may be extended at the discretion of the Platting Officer
- > Motion to Approve: Motion to approve is made by the Platting Officer.
  - No further <u>unsolicited</u> input from petitioner is appropriate.
  - Conditions and Findings must be written for all decisions made regarding the action being taken, whether it passed or failed.
  - Decisions are final unless reconsidered by the platting board MSB 43.35.005 or appealed to the board of adjustments and appeals. MSB 43.35.015



# STAFF REVIEW AND RECOMMENDATIONS PUBLIC HEARING MAY 3, 2023

| ABBREVIATED PLAT:      | NEW HOPE ESTATES RSB BLOCK 3, LO   | OTS 6 & 7        |
|------------------------|------------------------------------|------------------|
| LEGAL DESCRIPTION:     | SEC 10, T18N, R01E, SEWARD MERIDIA | AN AK            |
| PETITIONERS:           | DAVE HALE, PLS, R&M CONSULTANT     | CS               |
| SURVEYOR/ENGINEER:     | R&M CONSULTANTS                    |                  |
| ACRES: 19.837 <u>+</u> | PARCELS: 3                         |                  |
| <b>REVIEWED BY:</b>    | AMY OTTO-BUCHANAN                  | CASE #: 2023-035 |
|                        |                                    |                  |

**<u>REQUEST</u>**: The request is to create three lots from Lots 6 & 7, Block 3, New Hope Estates, Plat No. 2022-114, to be known as **LOTS 6A**, **7A & 7B**, containing 19.837 acres +/-. The parcel is located south of N. Wasilla-Fishhook Road, southwest of N. Hope Farm Road and will be accessed by E. Heavenly Circle, a private road within Tract A of New Hope Estates; within Section 10, Township 18 North, Range 01 East, Seward Meridian, Alaska.

## EXHIBITS

| Vicinity Map and Aerial Photos                 | EXHIBIT A – 4 pgs         |
|--|---------------------------|
| Soils Report                                   | <b>EXHIBIT B</b> – 24 pgs |
| Drainage Sketch                                | EXHIBIT C – 1 pg          |
| AGENCY COMMENTS                                |                           |
| Department of Public Works Pre-Design Division | <b>EXHIBIT D</b> – 1 pg   |
| Development Services                           | <b>EXHIBIT E</b> – 1 pg   |
| ADF&G  | <b>EXHIBIT F</b> – 1 pg   |
| Utilities                                      | <b>EXHIBIT G</b> – 2 pgs  |

**DISCUSSION**: This platting action is creating three lots from Lots 6 & 7, Block 3, of New Hope Estates. Proposed Lot 7A is a flag lot, with a 60' wide flag pole, pursuant to MSB 43.20.300(E). Lot 6A is involved with this platting action to allow for required frontage onto the cul-de-sac for Lot 7A and Lot 7B. Access to all three lots will be from Tract A of New Hope Estates, which contains the private road of E. Heavenly Circle. Pursuant to MSB 43.20.100(C)(5), existing lots created within subdivisions recorded with platting private roads may be subdivided using the private roads as the legal and physical access. All parties with an interest in Tract A have signed an Owner's Statement, as required.

<u>Soils Report</u>: (Exhibit B) Robert M. Pintner, PE, R&M Consultants, notes a geotechnical subsurface investigation was performed on October 15, 2022. Four testholes were bored to depths of 27' below the existing ground surface and one test boring to a depth 40.4'. Testhole logs and testhole location map are attached to the report. Mr. Pintner's conclusions are, based on available soils and water table information, topography, MSB code and observations on site, each of the proposed lots contain over 10,000 sf of

contiguous useable septic area and an additional 10,000 sf of useable building area. A drainage sketch is at **Exhibit C**.

**<u>Comments</u>**: Department of Public Works Pre-Design Division (**Exhibit D**) has no comments. Development Services (**Exhibit E**) notes Lot 7 has an existing driveway that is not permitted. Petitioner to apply for a driveway permit and provide a copy of the application to Platting staff (see *Recommendation* #5).

<u>ADF&G</u>: (Exhibit F) There are no resident or anadromous fish water bodies present with the boundaries of the subject property. A fish habitat permit is not required. Should fish presence be discovered, please notify the ADF&G Habitat Section.

<u>Utilities</u>: (Exhibit G) GCI has no comments. Enstar has no comments or recommendations. MEA and MTA did not respond.

At the time of staff report write-up, there were no responses to the Request for Comments from US Army Corps of Engineers; Community Council Fishhook; Fire Service Area #132 Greater Palmer; Road Service Area #16 South Colony; MSB Emergency Services, Community Development, Assessments or Planning; MTA or MEA.

<u>CONCLUSION</u>: The preliminary plat of NEW HOPE ESTATES RSB BLOCK 3, LOTS 6 & 7 is consistent with AS 29.40.070 Platting Regulations and MSB 43.15.016 Preliminary Plats. There were no objections from any federal or state agencies, Borough departments, or utilities. There were no objections to the plat from the public in response to the Notice of Public Hearing. Legal and physical access exists to the proposed lots, consistent with MSB 43.20.100 Access Required, MSB 43.20.120 Legal Access and MSB 43.20.140 Physical Access. Frontage for the subdivision exists, pursuant to MSB 43.20.320 Frontage. A soils report was submitted, pursuant to MSB 43.20.281(A)(1).

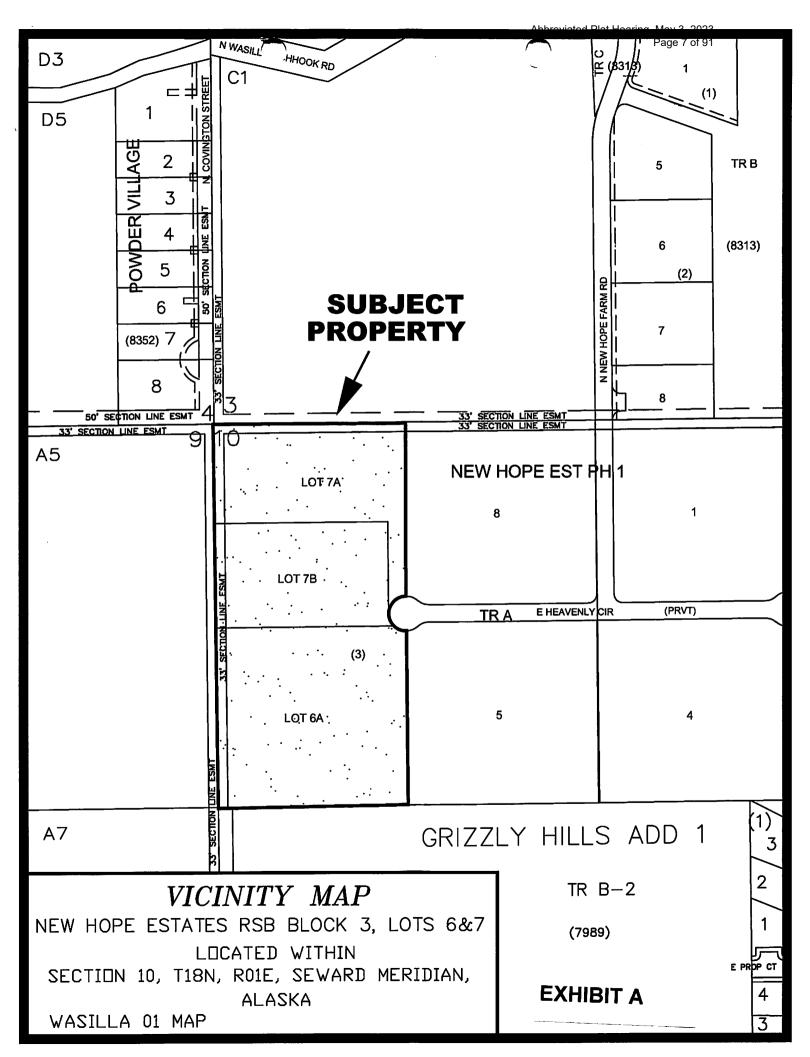
# FINDINGS OF FACT

- 1. The plat of New Hope Estates RSB Block 3, Lots 6 & 7 is consistent with AS 29.40.070 Platting Regulations and MSB 43.15.025 Abbreviated Plats.
- 2. A soils report was submitted, pursuant to MSB 43.20.28(A)(1). All lots have the required useable area.
- 3. All lots will have the required frontage pursuant to MSB 43.20.320 and MSB 43.20.100(C)(5).
- 4. At the time of staff report write-up, there were no responses to the Request for Comments from US Army Corps of Engineers; Community Council Fishhook; Fire Service Area #132 Greater Palmer; Road Service Area #16 South Colony; MSB Emergency Services, Community Development, Assessments or Planning; MTA or MEA.
- 5. There were no objections from any federal or state agencies, Borough departments, or utilities.
- 6. There were no objections from the public in response to the Notice of Public Hearing.
- 7. Pursuant to MSB 43.20.100(C)(5), existing lots created within subdivisions recorded with platting private roads may be subdivided using the private roads as the legal and physical access.

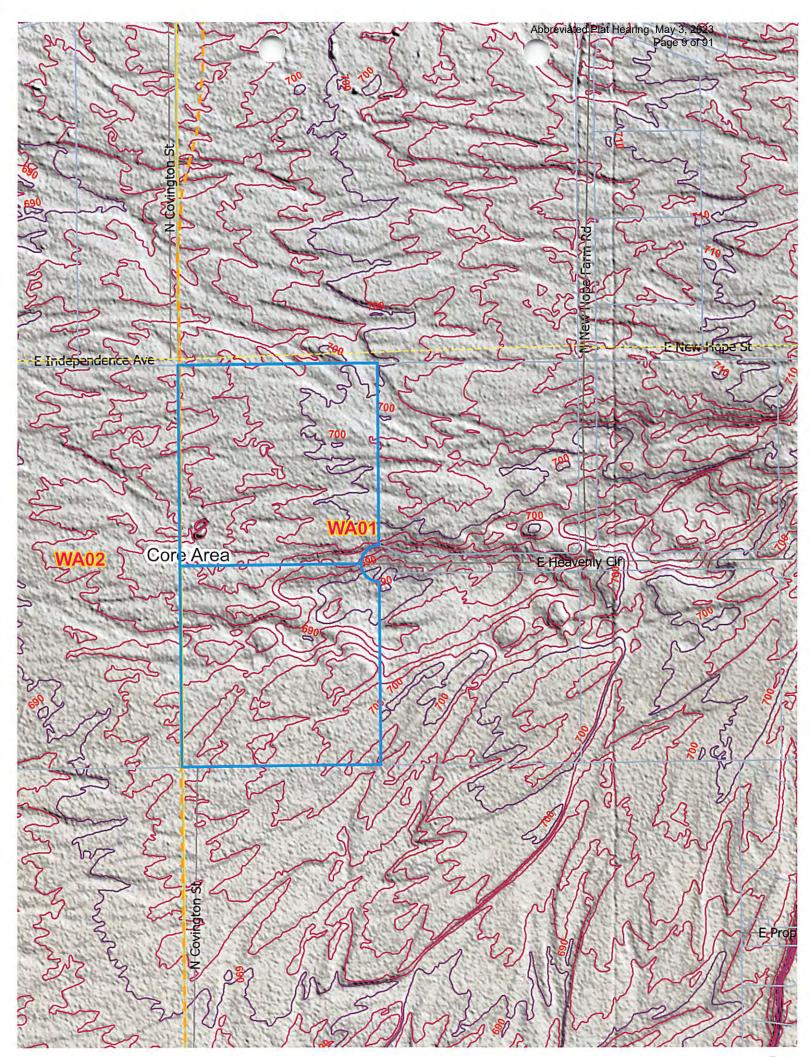
# **RECOMMENDED CONDITIONS OF APPROVAL:**

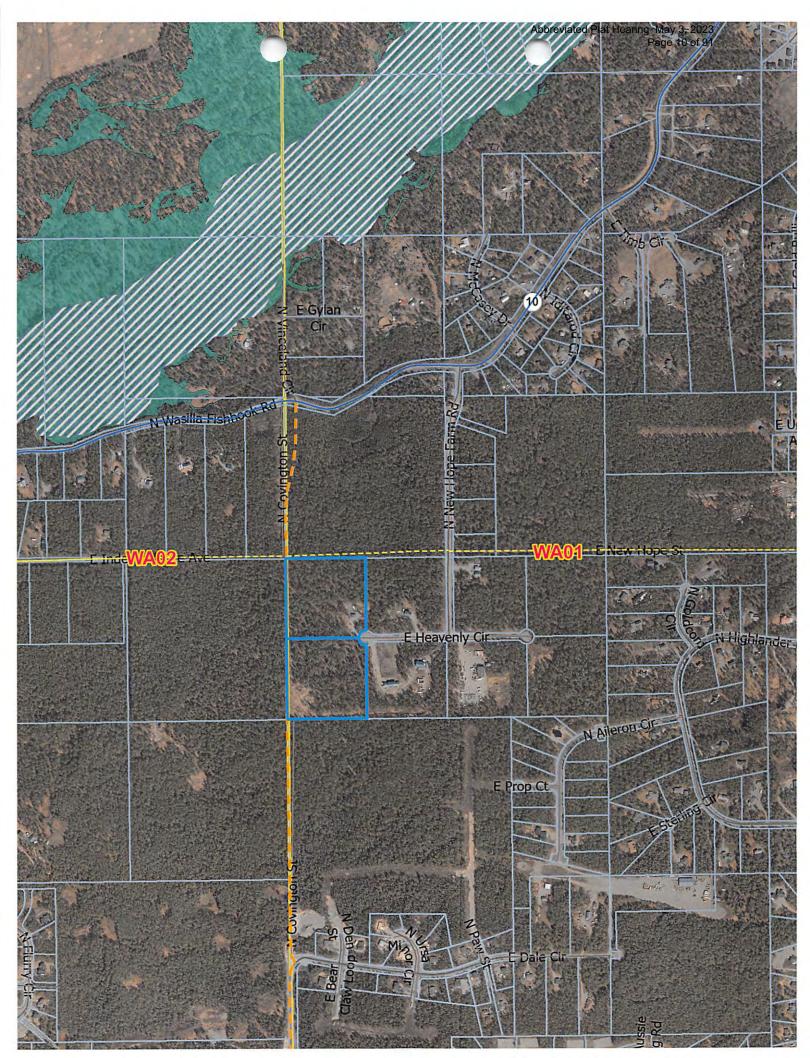
Staff recommends approval of the abbreviated plat of New Hope Estates RSB Block 3, Lots 6 & 7, contingent on the following recommendations:

- 1. Taxes and special assessments must be paid in full for the year of recording, pursuant to MSB 43.15.053(F) and AS 40.15.020. Pay taxes and special assessments (LIDs), by CERTIFIED FUNDS OR CASH.
- 2. Provide updated Certificate to Plat executed within seven (7) days of recording of plat and submit Beneficiary Affidavit for any holders of a beneficial interest.
- 3. Pay postage and advertising fees.
- 4. Show all easements of record on final plat.
- 5. Apply for a driveway permit for existing driveway and provide a copy of the application to Platting staff.
- 6. Submit recording fees, payable to Department of Natural Resources (DNR).
- 7. Submit final plat in full compliance with Title 43.









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R&M No. 3031.03

March 1, 2023

rmconsult.com

#### R&M CONSULTANTS, INC.

9101 Vanguard Drive Anchorage, Alaska 99507

phone: 907.522.1707 fax: 907.522.3403 Manny Lopez Land Services Manager Matanuska Electric Association PO Box 2929 Palmer, Alaska 99645

#### RE: New Hope Estates Subdivision Lots 6A, 7A, and 7B Supplemental Geotechnical Investigation Report

#### Dear Mr. Lopez:

As requested by the Matanuska-Susitna Borough, R&M Consultants, Inc. (R&M) is providing this supplemental geotechnical summary to meet the requirements for platting of the above referenced subdivision. This letter is a supplement to the geotechnical report performed for the Matanuska Electric Association in November, 2022<sup>1</sup>.

The following summary is based on the referenced geotechnical report and R&M's review of available topographic, and geologic data. The soils on Lot 7B are expected to generally consist of sand and gravel overlain by a 2 to 3 feet of silty soil. No groundwater table is expected in the upper 30 feet below ground surface. On Lot 6A the topography is suitable for the construction of on-site septic systems, i.e., no steep slopes, and no areas of surface water.

Useable Areas. The proposed lots have a few limitations on areas defined by MSB code as useable septic area or useable building area. Useable septic areas will be limited by setbacks to neighboring water wells, lot lines, and easements. For useable building area, lot lines, utility easements, and ROW /PUE setbacks will be limiting factors. For all the proposed lots, adequate unencumbered area exists to readily meet the code requirements. Based on the available soils and water table information, topography, MSB Title 43 Code definitions, and our observations at the site, each of the proposed lots contain over 10,000 square feet of contiguous useable septic area, and an additional 10,000 square feet of useable building area.

#### CLOSURE

R&M Consultants, Inc. performed this work in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions. No warranty, express or implied, beyond exercise of reasonable care and professional diligence, is made. This report is intended for use only in accordance with the purposes of study described within.

<sup>1</sup> R&M Consultants, Inc. "Proposed Plamer Fishook Substation Preliminary Geotechnical Report" prepared for Matanuska Electric Association, November 9, 2022.

RECEIVED MAR U 1 2023 PLAT EXHIBIT B

### New Hope Estates Subdivision Lots 6A, 7A, and 7B March 1, 2023

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We appreciate the opportunity to perform this geotechnical investigation. Should you require further information concerning the investigation or this report, please contact us at your convenience.

Sincerely,

**R&M CONSULTANTS, INC.** 



Robert M. Pintner, P.E. Senior Geotechnical Engineer







#### R&M CONSULTANTS, INC.

9101 Vanguard Drive Anchorage, Alaska 99507

phone: 907.522.1707 fax: 907.522.3403 9 November 2022

Manny Lopez Land Services Manager Matanuska Electric Association PO Box 2929 Palmer, Alaska 99645

RE: Proposed Palmer Fishhook Substation Preliminary Geotechnical Investigation Report

#### Dear Mr. Lopez:

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R&M No. 3031.03

# RECEIVED DEC U 6 2022 PLATTING

Matanuska Electric Association (MEA) contracted' R&M Consultants, Inc. (R&M) to complete a geotechnical investigation to support site evaluation and preliminary design for a proposed new substation located on an undeveloped parcel in the Fishhook area near Wasilla and Palmer, Alaska (**Drawing 1**). This letter report summarizes the results of our investigation, which included: five geotechnical test borings advanced within the site proposed for the new substation; laboratory soils testing; and preparation of this geotechnical report including general considerations and conclusions regarding site suitability for the proposed development.

**RECEIV** 

FEB 2 7 2023

PLATTING

#### BACKGROUND AND PROPOSED DEVELOPMENT

MEA is considering acquisition of an approximately 8.o-acre parcel on the northeastern corner of Matanuska-Susitna Borough Parcel ID 523777 (**Drawing 2**) near Palmer and Wasilla, Alaska. R&M performed a geotechnical investigation within the subject parcel to inform MEA's evaluation of the site for potential purchase of the property. The project site was undeveloped at the time of investigation. We understand the proposed site would be graded to create a relatively level pad with gravel and/or asphalt traffic surfaces and the facility would include various typical substation features (transformers, circuit breakers, enclosures, dead-end structures, overhead utility poles, control buildings) supported on shallow and deep foundations.

#### FIELD INVESTIGATION

The geotechnical subsurface investigation program was performed on 15 October 2022 and consisted of drilling and logging four test borings (RM22-01 through RM22-04) to depths of around 27 feet below the existing ground surface (bgs) and one test boring (RM22-05) to auger refusal at a depth of 40.4 feet bgs.

Field activities were guided by an R&M engineering geologist who maintained logs of the test borings and samples. Test borings were located and recorded using a recreational grade GPS unit<sup>2</sup>. **Drawing 3** presents approximate test boring locations relative to recent site imagery. A summary of the general notes and an explanation (key) for the test boring logs are presented as **Drawings 4 and 5**, respectively. Logs of the R&M test borings are presented

<sup>&</sup>lt;sup>1</sup> Contract No. PD22-048, Task Order 3. MEA Work Order 122981.

<sup>&</sup>lt;sup>2</sup> Recreational grade GPS units are limited to a maximum accuracy of about 15 feet.

# Preliminary Geotechnical Investigation Report – MEA Proposed Palmer Fishhook Substation November 2022

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as **Drawings 6 through 11**. GPS coordinates for the test borings are presented on the test boring logs and summarized on **Table 1**.

Soil boring and sampling operations were performed by Wininger Drilling, Inc. of Wasilla, using a track-mounted CME-55 drill rig. Test borings were advanced using continuous flight, 8-inch nominal outside diameter (OD), 3.25-inch inside diameter (ID), hollow-stem augers. Soil samples were collected using split-spoon samplers. A modification of the Standard Penetration Test (ASTM D1586) was employed to collect disturbed soil samples below the surface at regular intervals using a 2.5-inch ID (3.0-inch OD) split-spoon sampler advanced by a 340-pound automatic drop-hammer with a fall of 30 inches. Hammer blows (uncorrected) required to drive the sampler each six inches of a 24-inch interval were recorded as shown on the test boring logs, **Drawings 6 through 11**.

All soils recovered in the field were visually described following ASTM D2488. Samples were sealed in double plastic bags and returned to R&M's laboratory for further examination and testing. Test borings were backfilled with drill cuttings.

### LABORATORY TESTING

A laboratory testing program was developed to provide data on important subsurface characteristics and material properties for engineering analysis. Testing consisted of measuring general soil index properties for classification purposes and was performed at the R&M Materials Laboratory in Anchorage in accordance with the following ASTM (2022)<sup>3</sup> procedures: Particle Size Analysis (D422<sup>4</sup>); Moisture Content (D2216); and Classification of Soils (D2487 and D2488). It should be noted that the size of gravel particles obtained with 2.5-inch ID split spoon samplers is limited to the size of the opening of the sampler, and the sample is thus not necessarily representative of the coarse gravel fraction. The ASTM Soil Classification System and Frost Design Soil Classification used for this project are summarized on **Drawings 12 and 13**, respectively. The system used to classify soils containing organic matter is summarized on **Drawing 14**. Laboratory test results are presented on the Test Boring Logs and on the Summary of Laboratory Data, **Drawing 15**.

## SITE CONDITIONS

Vicinity, location, and area maps for the project site are attached as **Drawings 1 and 2**. The following summarizes information pertaining to the surface and subsurface conditions encountered or interpreted within the project area based on the findings of the investigation.

**Geology:** The project site is located within the Cook Inlet-Susitna Lowland physiographic province of Alaska<sup>5</sup>. The area is characterized as a glaciated lowland containing areas of ground moraine and stagnant ice topography, drumlin fields, eskers, and outwash plains. The topography in this area is primarily the product of five major glacial advances that crossed the area in the middle to late Pleistocene age<sup>6</sup>, as well as the effect of colluvial and alluvial deposits consequent with or subsequent to the advances. Surficial soils across the project site vicinity have been mapped as outwash stream deposits; chiefly sand, gravel, and some silt<sup>7</sup> (Figure 1). The in-situ soil profile encountered at the project site appeared generally consistent with this geological mapping.

<sup>&</sup>lt;sup>7</sup> Trainer, F.W., 1960. Map of the Matanuska Valley Agricultural Area, Alaska, Showing Surficial Geology and Location of Wells. Geological Survey Water-Supply Paper 1494, Plate 1, Scale 1:50,000.



<sup>&</sup>lt;sup>3</sup> American Society for Testing and Materials (ASTM), 2022, Annual Book of ASTM Standards.

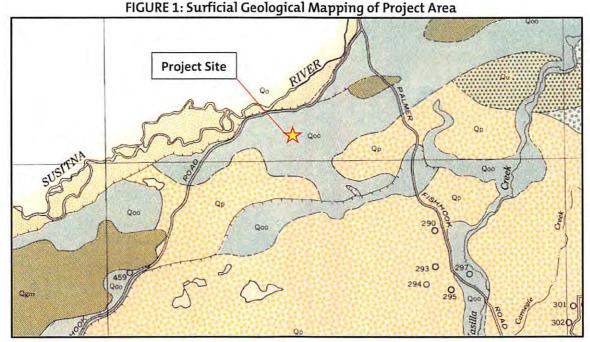
<sup>&</sup>lt;sup>4</sup> ASTM D422 was not reapproved following calendar year 2016 but remains commonly employed in geotechnical engineering practice.

<sup>&</sup>lt;sup>5</sup> Wahrhaftig, Clyde. 1965. Physiographic Divisions of Alaska. U.S. Geological Survey Professional Paper 482.

<sup>&</sup>lt;sup>6</sup> Coulter, H.W., et al. 1965. Map Showing Extent of Glaciations in Alaska. U.S. Geological Survey Miscellaneous Geologic Investigations Map I-415. 1 sheet. Scale 1:2,500,000.

Preliminary Geotechnical Investigation Report – MEA Proposed Palmer Fishhook Substation November 2022

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Notes: Map extracted from Trainer, 1960.7

-Qoo (light green shading): Quaternary outwash stream deposits; chiefly sand, gravel, and some silt in the form of terraces.

-Qp (yellow dotted shading): Quaternary pitted deposits; chiefly outwash stream deposits; undifferentiated eskers and crevasse fillings.

- Ogm (dark green shading): Quaternary ground moraine deposits; glacial till, in part gravelly, and locally with gravel cover.

- Qu (yellow shading with green dots): Quaternary deposits, undifferentiated; chiefly deposits of outwash streams, but include nonglacial lake and stream deposits.

**Surface:** The project site was undeveloped at the time of the investigation and generally surfaced with a thin layer of peat and grass or brush cover, with a relatively level ground surface. The project site exhibited uplands vegetation and was forested with birch, willow, and spruce. The imagery included on **Drawing 3** (attached) shows ground surface conditions reflective of the surface conditions observed during the investigation.

**Subsurface Soil Profile:** The soil profile encountered across the project site was consistent, with four generalized soil units interpreted: (I) surficial peat deposits; overlying (II) silt deposits; overlying (III) glacial outwash deposits; transitioning to (IV) poorly lithified bedrock at depth. The depth interval of these generalized units interpreted at each test boring is summarized on **Table 1**, followed by descriptions for each unit highlighting soil classification, density, and laboratory testing results. A graph depicting SPT blowcounts versus depth for each SPT sample performed is provided on **Figure 2**, with SPT values corrected for overburden pressure, sampling characteristics, and oversize sampler.



Preliminary Geotechnical Investigation Report – MEA Proposed Palmer Fishhook Substation November 2022

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| Test               |                 | ordinates<br>5584) |                               |                             | of Soil Unit at Te<br>xisting ground s |  | Groundwater Depth                             |
|--------------------|-----------------|--------------------|-------------------------------|-----------------------------|--|--|---|
| Boring<br>Location | Latitude<br>(N) | Longitude<br>(W)   | UNIT I<br>Organic<br>Deposits | UNIT II<br>Silt<br>Deposits | UNIT III<br>Outwash<br>Deposits        | UNIT IV<br>Poorly Lithified<br>Bedrock | (in feet below<br>existing ground<br>surface) |
| RM22-01            | 61.67135        | 149.26681          | 0 to 1.0                      | 1.0 to 3.5                  | 3.5 to 27.0 <sup>TD</sup>              | -                                      | NE  |
| RM22-02            | 61.67112        | 149.26686          | 0 to 0.8                      | 0.8 to 3.1                  | 3.1 to 26.7 <sup>TD</sup>              | ٣                                      | NE  |
| RM22-05            | 61.67129        | 149.26780          | 0 to 1.0                      | 1.0 to 3.2                  | 3.2 to 35.3                            | 35.3 to 40.4 <sup>TD</sup>             | 38 <sup>WD</sup>                              |
| RM22-03            | 61.67133        | 149.26877          | 0.0 to 0.7                    | 0.7 to 3.1                  | 3.1 to 27.0 <sup>TD</sup>              | -                                      | NE  |
| RM22-04            | 61.67108        | 149.26877          | 0.0 to 1.4                    | 1.4 to 3.2                  | 3.2 to 27.0 <sup>TD</sup>              |  | NE  |

# TABLE 1 – Generalized Soil Unit Profile at Test Boring Locations

Note: Test borings arranged in general order from east to west across site.

TD = total depth of test boring, NE = groundwater not encountered while drilling, WD=observed while drilling.

- Unit I Organic Deposits, generally consisting of a thin layer of peat or organic silt (USCS [Unified Soil Classification] = PT, OL), were encountered surfacing the project site at each test boring location. The organic deposits ranged in thickness from approximately 0.7 to 1.4 feet and were generally moist to wet and soft/loose. Organic deposits are highly frost susceptible (F4).
- (2) Unit II Silt Deposits, consisting primarily of silt with variable sand and gravel content (USCS [Unified Soil Classification] = ML), were encountered below the surficial organics at each test boring location. The silt deposits ranged in thickness from approximately 1.8 to 2.5 feet and were generally moist to wet, loose, and nonplastic. This soil unit often contained trace organic matter consisting of roots and other organic debris.

For those samples tested from Unit II: average moisture content was 35.5 percent (range [r] = 33.4 to 36.7 percent, number of tests [n] = 4). Silt deposits are highly frost susceptible (F4).

(3) Unit III – Outwash Deposits, consisting primarily of poorly to well-graded gravel and sand with variable silt contents (USCS= GW, GP, SW, SP, GW-GM, GP-GM, SW-SM, SP-SM), was encountered underlying the surficial organics and silt (Units I and II) at each test boring location. This soil unit is relatively consistent with the 'Qoo' unit mapped surfacing the project site (Figure 1). Unit III soils were generally interpreted to be dense to very dense in consistency and dry to moist. Sand and silt content generally increased with increasing depth. The outwash deposits unit contained frequent cobbles and possible boulders.

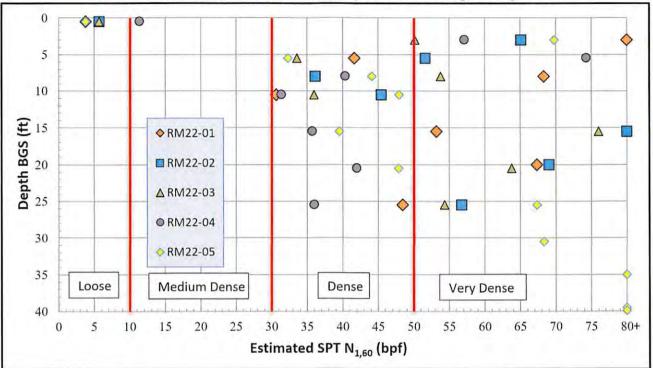
For those samples tested from Unit III: average moisture content was 4.2 percent (r = 2.8 to 8.2 percent, n = 8); and average percent passing the No. 200 sieve (P200) was 8.7 percent (r = 3.7 to 26.0 percent, n = 7). The outwash deposits unit was generally interpreted to be slightly frost susceptible (S1).

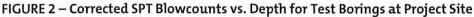
(4) Unit IV – Poorly Lithified Bedrock, interpreted consisting of soft sandstone to conglomerate and presenting as moderately cemented silty sand with gravel, was interpreted in the deeper test boring (RM22-05) underlying the outwash deposits at a depth of approximately 35 feet bgs. Reasonable auger refusal occurred after advancing about 5 feet into the bedrock unit.



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Preliminary Geotechnical Investigation Report – MEA Proposed Palmer Fishhook Substation November 2022





**Groundwater** was observed not encountered at Test Borings RM22-01 through RM22-04, advanced to completion depths of around 27 feet bgs. Groundwater was only observed at Test Boring RM22-05 at a depth of around 38 feet bgs, near the bedrock surface interface. We do not anticipate shallow groundwater conditions affecting this site.

**Permafrost** was not suspected or interpreted at the test boring locations during this investigation. The project area is mapped as containing isolated masses of permafrost (less than 10 percent area coverage) with heightened potential for perennially frozen soil in areas with high ground insulation, such as bogs or swamps<sup>8</sup>.

**Bedrock** was interpreted only in the deeper test boring (RM22-05) at a depth 35 feet bgs. Reasonable auger refusal occurred after advancing about 5 feet into this bedrock unit. Bedrock was not encountered to completion depths of around 27 feet in the other 4 Test Borings (RM22-01 through RM22-04). Considering the results of the investigation and geological mapping<sup>7</sup> in the project area, we do not anticipate shallow bedrock (less than 25 feet) affecting this site.

## GEOTECHNICAL CONSIDERATIONS AND CONCLUSIONS

The following summarizes general considerations and conclusions regarding suitability of the project site for development, to aid in site evaluation and planning for the substation. Should substation development go forward, additional design level geotechnical investigation and analysis should be performed considering project design information, site grading, and foundation loading criteria.

<sup>&</sup>lt;sup>8</sup> Jorgenson et al., 2008, "Permafrost Characteristics of Alaska", Institute of Northern Engineering, University of Alaska.



Note: Coarse gravel and cobbles may have inflated SPT values for some test intervals.

Preliminary Geotechnical Investigation Report – MEA Proposed Palmer Fishhook Substation November 2022

#### Page 6 of 7

Seismic Design Parameters shown on Table 2 address the geotechnical aspects of designing foundations on this site relative to ASCE/SEI 7-22.

| Site Parameters  | Value |
|------------------|-------|
| Risk Category    | IV    |
| Class            | C-D   |
| PGA <sub>M</sub> | 0.81  |
| Ss               | 2.29  |
| S <sub>1</sub>   | 0.94  |
| S <sub>MS</sub>  | 2.18  |
| SMI              | 1.95  |
| S <sub>DS</sub>  | 1.46  |
| S <sub>D1</sub>  | 1.30  |

TABLE 2 - Seismic Design Parameters

Site Stability: The project site is relatively level and generally underlain by coarse-grained, dense to very dense soils; soil liquefaction and slope instability are unlikely. Additionally, loss of bearing capacity and land spreading are not likely to occur in the dense soils underlying the site.

Site Grading. We understand that the project site would be graded to create a relatively level pad for development of the substation facility. Considering the results of this investigation, the project site is favorable for grading.

Prior to site grading, the surficial organic deposits and silt (Units I and II) should be stripped from areas to be developed. The existing coarse-grained soils (Unit III) underlying the surficial organic deposits are generally well graded with relatively low silt contents, and therefore are suitable for directly supporting embankments and may be suitable for reuse as fill for embankment construction if significant cuts and fills are performed. Any cut slopes, graded embankment slopes, or slopes on the periphery of graded areas should be laid back to a maximum steepness of 2 horizontal to 1 vertical. Consider turfing and seeding of final slopes to protect slopes from erosion.

Foundations: Favorable foundation soils (Unit III) were encountered underlying the surficial deposits at the project site. The Unit III soils were generally dense in consistency and non-plastic, with relatively low silt contents. Existing coarse-grained soils (Unit III) at the project site were estimated to be slightly frost susceptible.

The existing coarse-grained soils are favorable for support of conventional shallow foundations. Foundation and pavement design should consider the frost susceptibility of site soils and imported fill materials within the frost interval, especially for structures which will be unheated or those having little tolerance to differential movements.

The project site conditions are favorable for installation of deep foundations (drilled piers, auger cast piles, pipe piles). However, installation of deep foundations may be hampered by cobbles and boulders and very dense soil conditions. Predrilling at deep foundation locations or underreaming methods would reduce risk of premature refusal or pile foundation damage during installation. If conventional pile driving methods are to be applied at this site, extra strong grade piles with reinforced driving tips should be used.



#### Preliminary Geotechnical Investigation Report – MEA Proposed Palmer Fishhook Substation November 2022

Page 7 of 7

### **CLOSURE AND SIGNATURES**

The discussion presented in this report is preliminary in nature and based on our understandings of the proposed project, our investigation, and the other pertinent information listed herein. Because subsurface characteristics can change significantly within a given area, and with the passing of time, the possibility exists that important conditions not disclosed by this investigation may be discovered on the site during construction. Should this situation occur, the influence of the new information on the design aspects should be evaluated without delay. Should this project site be acquired by MEA for substation development, additional design level geotechnical investigation and analysis should be performed considering project design information, site grading, and foundation loading criteria.

R&M Consultants, Inc. performed this work in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions. No warranty, express or implied, beyond exercise of reasonable care and professional diligence, is made. This report is intended for use only in accordance with the purposes of study described within.

We appreciate the opportunity to perform this geotechnical investigation. Should you require further information concerning the investigation or this report, please contact us at your convenience.

Sincerely,

R&M CONSULTANTS, INC.

**REVIEWED BY:** 

Brian M. Mullen, P.E. Geotechnical Engineer

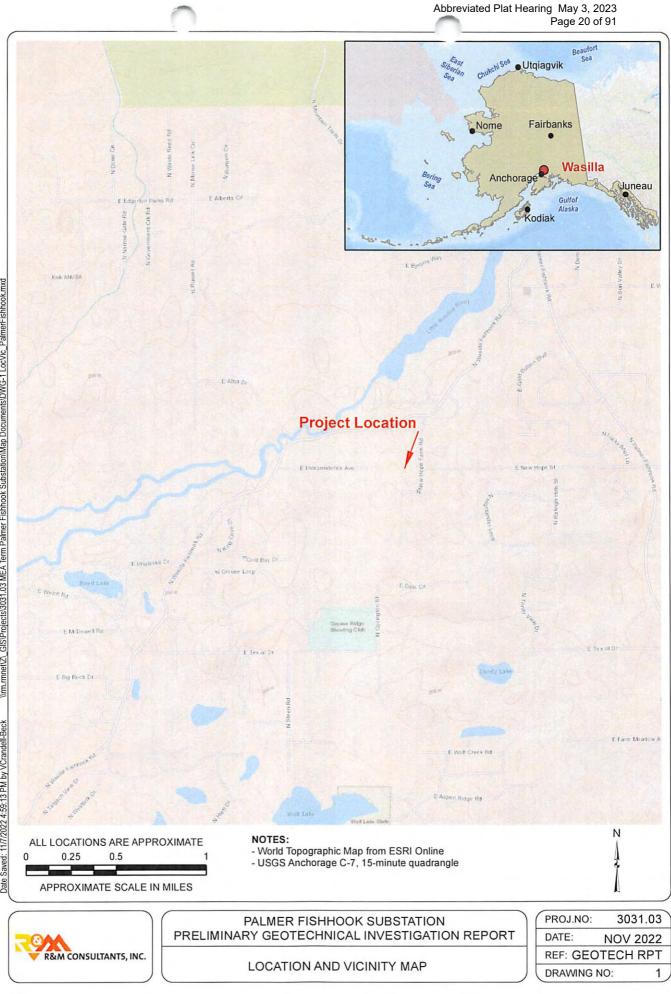
Rahut M Printere

Robert M. Pintner, P.E. Senior Geotechnical Engineer

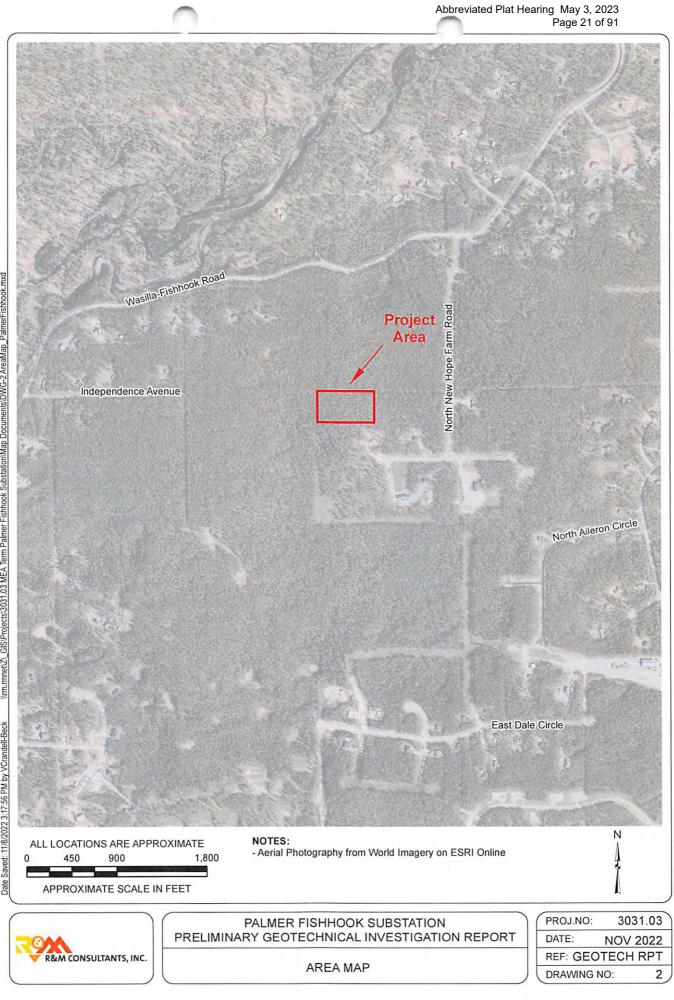
## ATTACHMENTS:

Location/Vicinity and Area Maps (Drawings 1 and 2) Test Boring Locations Map (Drawing 3) General Notes (Drawing 4) Explanation of Selected Symbols (Drawing 5) Test Boring Logs (Drawings 6 through 11) Classification of Soil for Engineering Purposes (Drawing 12) USACE Frost Design Soil Classification (Drawing 13) Classification of Soils Containing Organic Matter (Drawing 14) Summary of Laboratory Soils Data (Drawing 15)

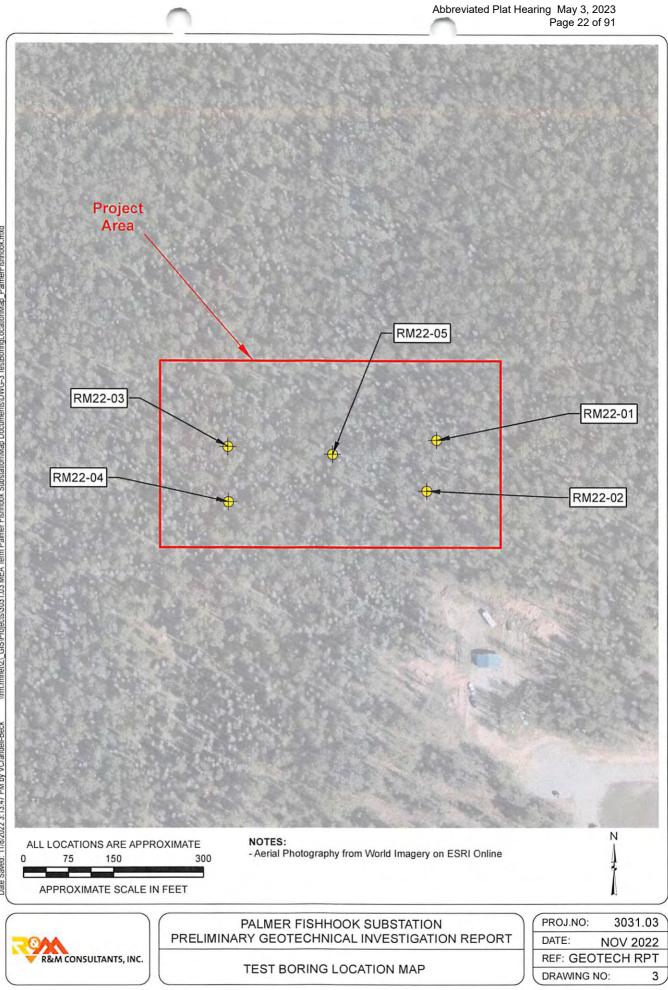




\mm.mnet\l2\_GIS\Projects\3031.03 MEA Term Palmer Fishhook Substation\Map Documents\DWG-1 LocVic\_PalmerFishhook.mxd Date Saved: 11/7/2022 4:59:13 PM by VCrandell-Beck



Im.mmetlZ\_GIS/Projects3031.03 MEA Term Palmer Fishhook Substation/Map Documents/DWG-2 AreaMap\_PalmerFishhook.mxd Date Saved: 11/8/2022 3:17:56 PM by VCrandell-Beck



# SOILS CONSISTENCY AND SYMBOLS

CLASSIFICATION: Identification and classification of the soil is accomplished in accordance with the ASTM version of the Unified Soil Classification System. When laboratory testing data on material passing the 75-mm sieve is available Standard D 2487 (Classification of Soils for Engineering Purposes) is used and when laboratory data is not available D 2488 (Visual-Manual Procedure) is used. This classification system identifies three major soil divisions: coarse-grained soils, fine-grained soils, and highly organic soils. These three divisions are further subdivided into a total of 15 basic soils groups. Based on the results of visual observations and prescribed laboratory tests, a soil is catalogued according to the basic soil groups, assigned a group symbol(s) and name, and thereby classified. Flow charts contained in the two standards can be used to assign the appropriate group symbol(s) and name.

SOIL DENSITY/CONSISTENCY - CRITERIA: Soil density/consistency as defined below and determined by normal field and laboratory methods applies only to non-frozen material. For these materials, the influence of such factors as soil structure, i.e. fissure systems shrinkage cracks, slickensides, etc., must be taken into consideration in making any correlation with the consistency values listed below. In permafrost zones, the consistency and strength of frozen soil may vary significantly and inexplicably with ice content, thermal regime and soil type.

| COARSE G<br>(DOT&PF |                 |             | <u>GRAINED</u><br>M D 2488) |
|---------------------|-----------------|-------------|-----------------------------|
| Relative Density    | N * (blows/FT.) | Consistency | Thumbnail Test              |
| Very loose          | 0 - 4           | Very soft   | Thumb $> 1$ in.             |
| Loose               | 5 - 10          | Soft        | Thumb $= 1$ in.             |
| Medium dense        | 11 - 30         | Firm        | Thumb = $1/4$ in.           |
| Dense               | 31 - 50         | Hard        | Thumbnail indents           |
| Very dense          | >50             | Very hard   | Thumbnail will not indent   |

\* Standard Penetration "N": Blows per 12 inches of a 140-pound manual hammer (lifted with rope & cathead) falling 30 inches on a 2-inch O.D. split-spoon sampler except where noted. Blow counts presented on test boring logs are direct field values (i.e. they have not been corrected to account for hammer efficiency, borehole diameter, sampling method, or rod length)

#### **KEY TO TEST RESULTS**

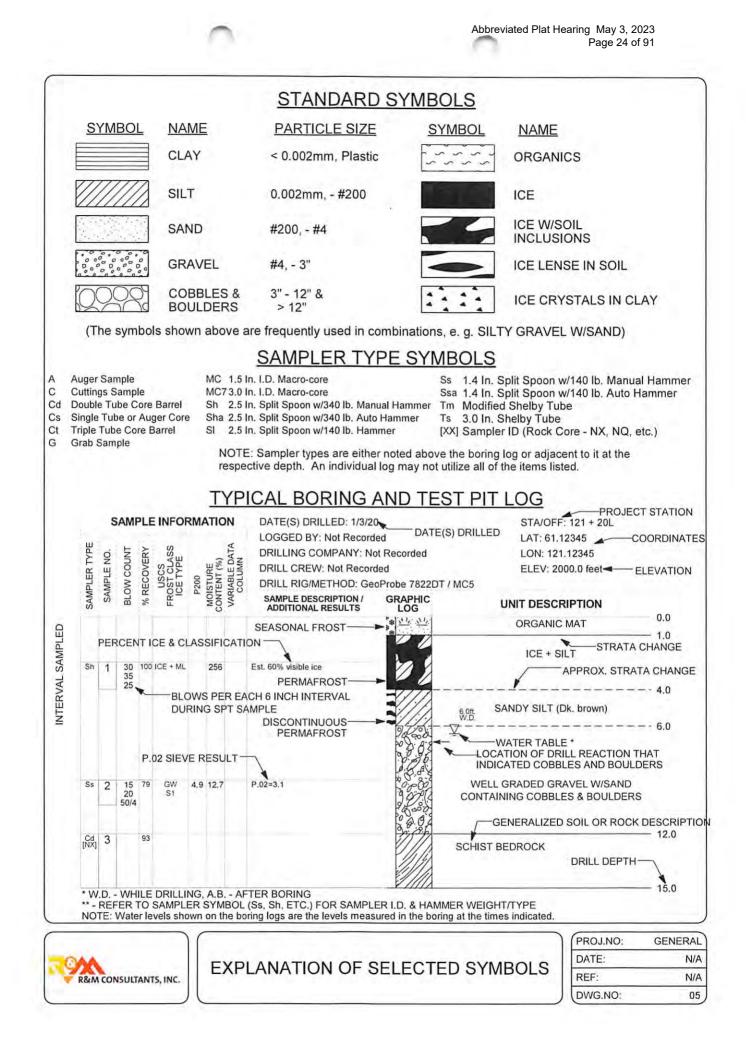
- DD Dry Density
- LL Liquid Limit MC - Moisture Content
- Org Organic Content
- PI Plastic Index PL Plastic Limit

- PP - Pocket Penetrometer P200 - % Passing No. 200 Screen
- P.02 % Passing 0.02 mm P.005 % Passing 0.005 mm
- P.002 % Passing 0.002 mm

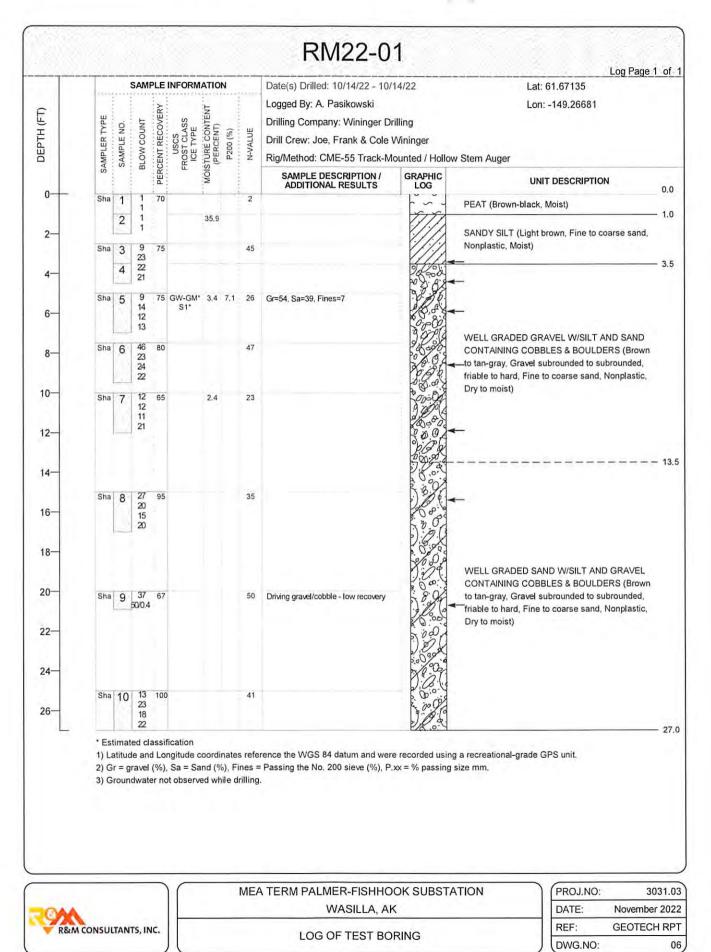


GENERAL NOTES

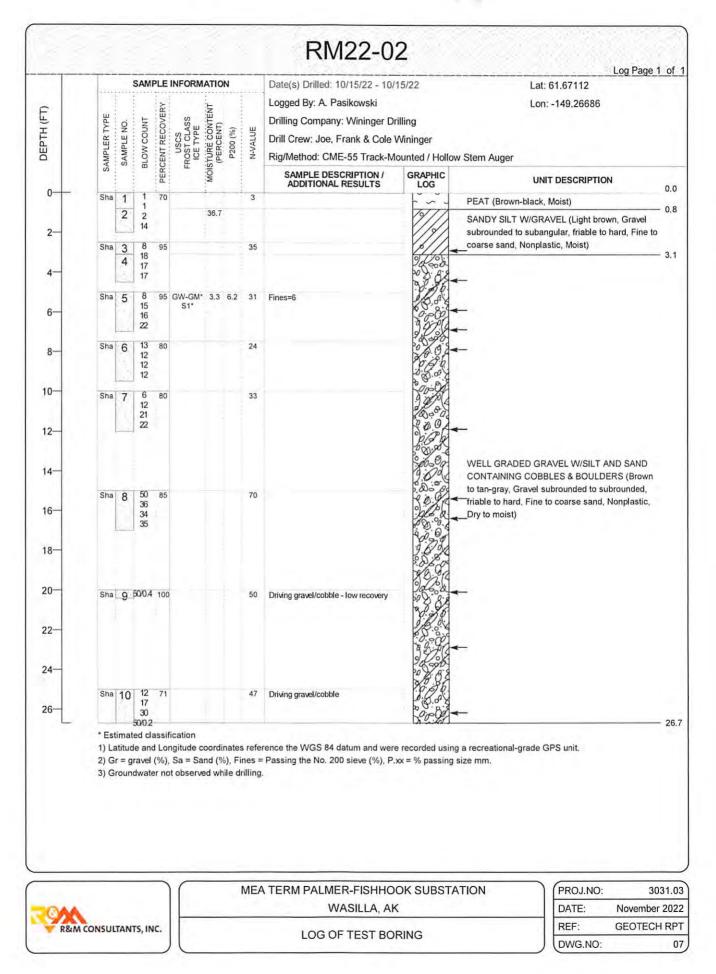
| PROJ.NO: | GENERAL |
|----------|---------|
| DATE:    | N/A     |
| REF:     | N/A     |
| DWG.NO:  | 04      |



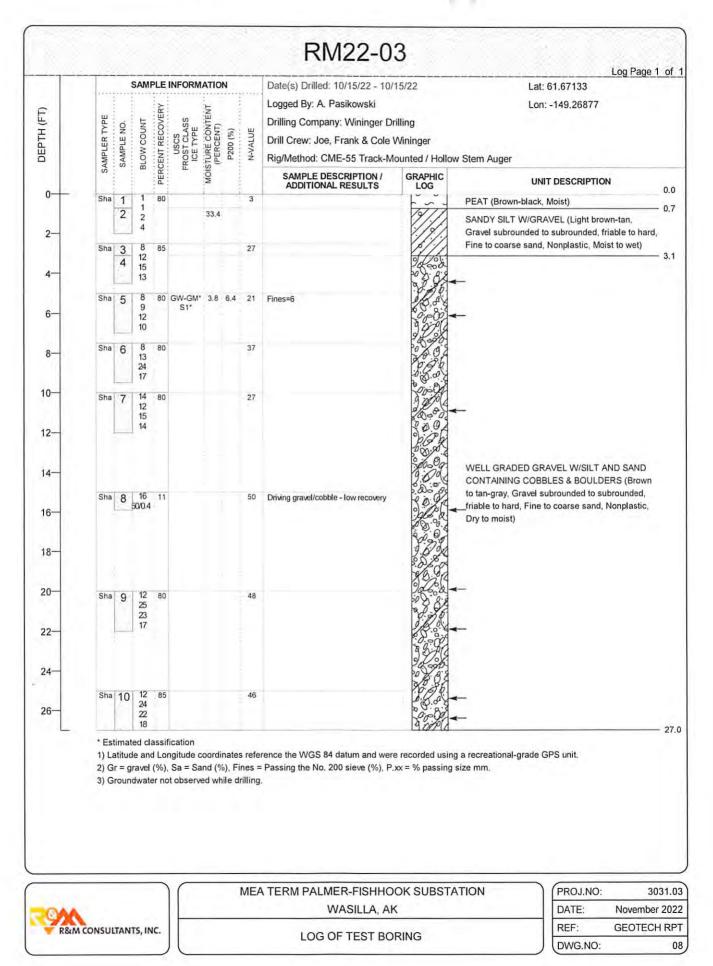




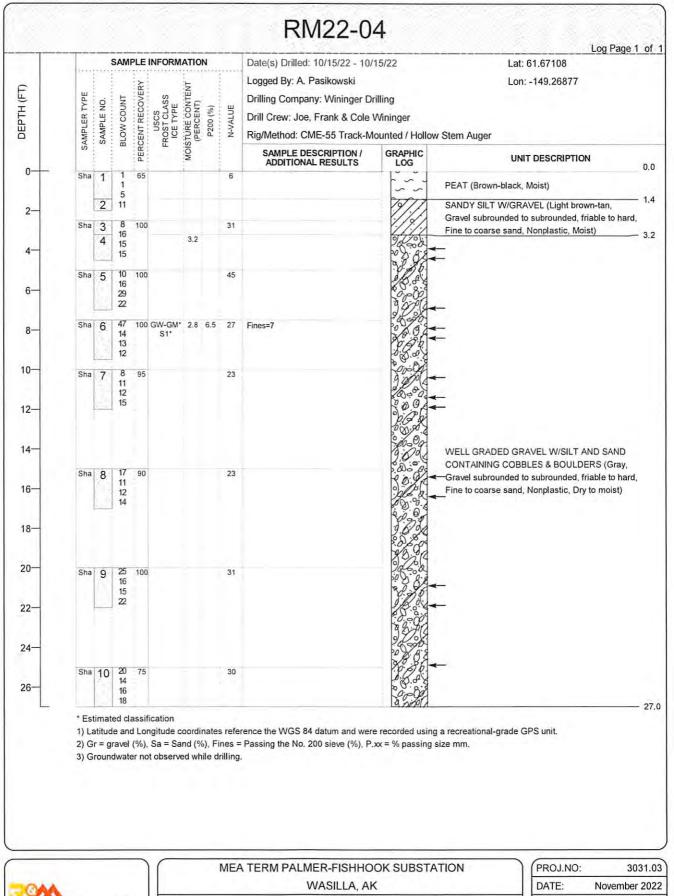












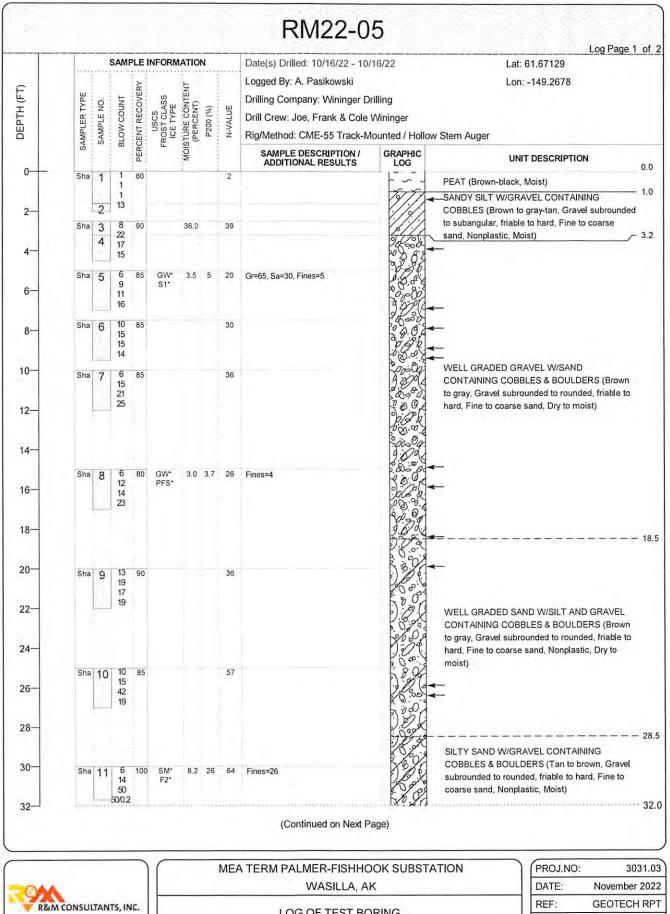
R&M CONSULTANTS, INC.

LOG OF TEST BORING

DATE: November 2022 REF: GEOTECH RPT DWG.NO: 09



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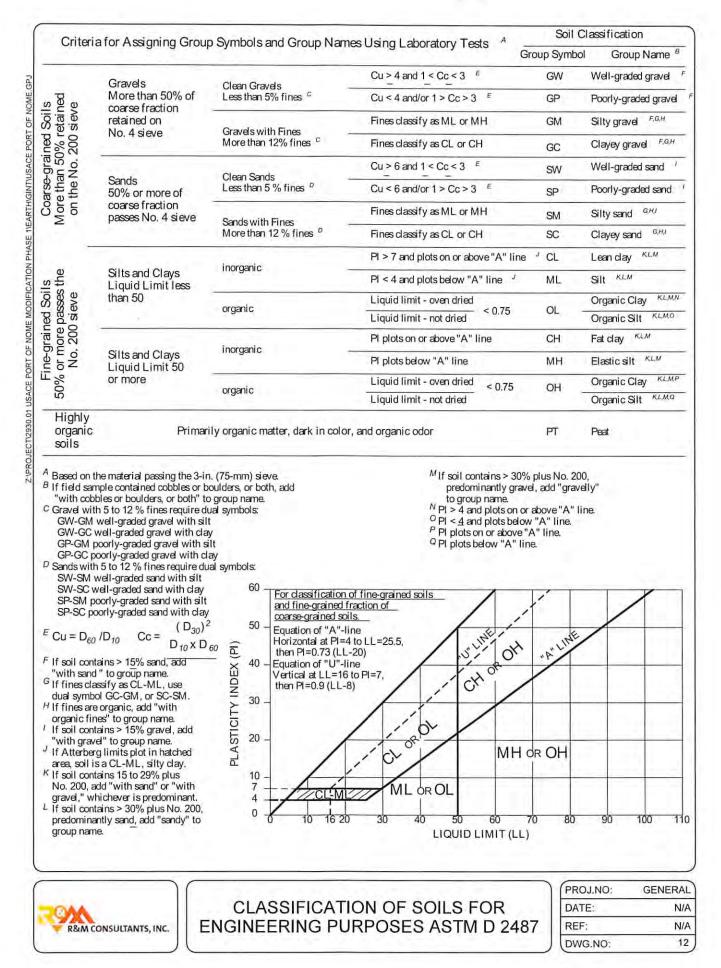
LOG OF TEST BORING

DWG.NO:

10

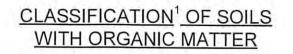
| <br>                      | SA   | MPLE                           | INFORM | ATION       |          | Date(s) Drilled: 10/16/22 - 10/  | 16/22               | Log Page 2   | 2 of 2 |
|---------------------------|------|--------------------------------|--------|-------------|----------|--|---------------------|--|--------|
| SAMPLER TYPE<br>SAMPLE NO |      | BLOW COUNT<br>PERCENT RECOVERY |        | Ļ           | N-VALUE  | Logged By: A. Pasikowski<br>Drilling Company: Wininger Dr<br>Drill Crew: Joe, Frank & Cole V<br>Rig/Method: CME-55 Track-M | rilling<br>Wininger | Lon: -149.2678   |        |
| SAN                       |      | PERCE                          | FR     | MOIST<br>(F |          | SAMPLE DESCRIPTION /<br>ADDITIONAL RESULTS   | GRAPHIC             |  |        |
| Sha 1                     | 2 1  | 7 10                           |        | -           | 92       |  |                     | SILTY SAND W/GRAVEL CONTAINING<br>COBBLES & BOULDERS (Tan to brown, Gravel<br>subrounded to rounded, friable to hard, Fine to<br>coarse sand, Nonplastic, Moist)   | 32.0   |
| L-1:                      | 3 4  | 60<br>12<br>0.3                |        |             |          | Driving gravel/cobble  |                     | POORLY LITHIFIED<br>SANDSTONE-CONGLOMERATE BEDROCK<br>(Presents as moderately cemented silty sand<br>w/gravel soil, Tan-brown, Gravel subrounded to<br>subangular, friable to hard, Fine to coarse sand, | 33.3   |
| Sha 1.<br>Sha 1.          | - 50 | 4 88<br>03<br>5 10             |        |             | 50<br>62 | Driving gravel/cobble - low recovery   |                     | Nonplastic, Moist to wet)  | - 40.4 |
|                           |      |                                |        |             |          |  |                     |  |        |
|                           |      |                                |        |             |          |  |                     |  |        |
|                           |      |                                |        |             | MEA      | A TERM PALMER-FISHHO   | OK SUBST/           | ATION <u>PROJ.NO: 30</u>   | 031.03 |
| ONSULTAI                  | NTC  |                                |        |             | MEA      | A TERM PALMER-FISHHO<br>WASILLA, AK  | <u>.</u>            | ATION PROJ.NO: 30<br>DATE: November<br>REF: GEOTECH  | r 2022 |

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| FROST<br>GROUP | KIND OF SOIL  | PERCENTAGE<br>FINER THAN<br>0.02 mm BY<br>WEIGHT | TYPICAL SOIL TYPES<br>UNDER UNIFIED SOIL<br>CLASSIFICATION<br>SYSTEM  |
|----------------|---|--|---|
| NFS*           | (a) Gravels<br>Crushed Stone<br>Crushed Rock<br>(b) Sands   | 0 - 1.5<br>0 - 3                                 | GW, GP<br>SW, SP  |
| PFS+           | (a) Gravels<br>Crushed Stone<br>Crushed Rock<br>(b) Sands   | 1.5 - 3<br>3 - 10                                | GW, GP<br>SW, SP  |
| S1             | Gravelly Soils  | 3 - 6  | GW, GP, GW-GM, GP-GM  |
| S2             | Sandy Soils   | 3 - 6  | SW, SP, SW-SM, SP-SM  |
| F1             | Gravelly Soils  | 6 - 10   | GM, GW-GM, GP-GM  |
| F2             | (a) Gravelly Soils<br>(b) Sands   | 10 - 20<br>6 - 15                                | GM, GW-GM, GP-GM<br>SM, SW-SM, SP-SM  |
| F3             | (a) Gravelly Soils<br>(b) Sands, Except<br>Very Fine Silty<br>Sands<br>(c) Clays, PI>12   | Over 20<br>Over 15                               | GM, GC<br>SM, SC<br>CL, CH  |
| F4             | <ul> <li>(a) All Silts</li> <li>(b) Very Fine Silty<br/>Sand</li> <li>(c) Clays PI&lt;12</li> <li>(d) Varved Clays and<br/>Other Fine-grained<br/>Banded Sediments</li> </ul> | <br>Over 15<br>                                  | ML, MH<br>SM<br>CL, CL-ML<br>CL, CL-ML<br>CL and ML<br>CL, ML, and SM;<br>CL, CH and ML;<br>CL, CH, ML and SM |
|                | <ul> <li>* Non-frost-susceptible</li> <li>+ Possibly frost-susceptible</li> <li>determine frost desired</li> </ul>  |  | pratory test to   |





**PEAT (Pt):** Soil comprised of predominantly organic carbon fibers (macroscopic) and/or decayed (microscopic) vegetal matter. Peat is generally dark brown to black, with a very spongy feel and strong organic odor; typically, the ash content (ASTM D 2974) is <20%, the moisture content is >500%, the fiber content is >50% (by volume), the specific gravity is <1.7, and the dry unit weight is <17 pounds per cubic-foot (pcf).

**PEATY-ORGANIC SOIL (PtO):** Transitional soil group comprised of significant proportions, by mass, of both mineral particles and organic carbon fibers and/or decayed vegetal matter. Peaty-Organic Soil is generally light brown to black, with a spongy feel and organic odor; typically, the ash content ranges from 20 to 40%, the moisture content is between 150 and 800%, the fiber content is <50%, the specific gravity ranges from 1.6 to 1.9, and the dry unit weight is between 11 and 19 pcf.

**ORGANIC SOIL (O):** Soil comprised predominately of mineral particles, with a fraction of organic matter sufficient to notably effect the geotechnical properties (i.e. plasticity, dry strength and compactability). Most of the organic matter formed in-place (sedentary deposit), and is typically comprised of microscopic particles (the fiber content is often insignificant). Organic Soil is generally brown to blackish-brown, and soft to loose; typically, the ash content ranges from 40 to 95%, the moisture content is between 100 and 500%, the specific gravity is >1.7, the liquid limit is >50% and/or the liquid limit measured on an oven-dried sample ("Dry Preparation") is <70% of the liquid limit measured on a fresh sample ("Wet Preparation"), and the dry unit weight is >13 to 15 pcf.

**MINERAL SOIL WITH ORGANIC CONTENT (oUSC)**<sup>2</sup>: Transitional soil group consisting predominately of mineral constituents with a small fraction of organic matter which may, under certain conditions, effect the geotechnical properties. Most of the organic matter is macroscopic and likely formed in-place; but may also include roots, or fibrous particles that likely originated elsewhere and were transported to the site by wind or very low energy lacustrine-environment (sedimentary deposit). The soil color and odor is often not effected by the organic matter; typically, the ash content ranges from 90 to 99%, the moisture content is <100%, the specific gravity is >2.4, and the liquid limit is <50%.

**MINERAL SOIL (USC):** Soil is comprised predominately of mineral particles, but may contain a trace of organic (or apparent organic) matter that has no significant effect on the geotechnical properties. Ash contents are typically >97 to 99%, and the loss of mass may be more from ignition of interstitial water or non-vegetal, carbon-based matter. Most of the organic matter likely originated elsewhere and was transported to the site by wind or very low energy lacustrine-environment, and is typically comprised of fine-woody particles or roots.

<sup>1</sup> Callout (Group Symbol) for a general stratigraphic unit consisting predominately of this type soil.

<sup>2</sup> Use an annotated group symbol; a small caps "o", proceeded by the mineral constituents based on the Unified Soil Classification (USC) System (following ASTM D 2487, Classification of Soil for Engineering Purposes).



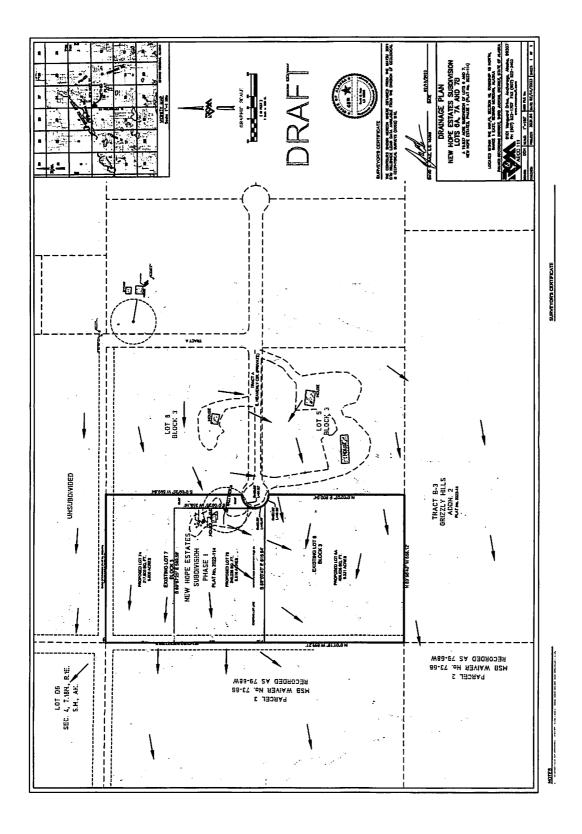
ORGANIC MATTER SOIL CLASSIFICATION

| PROJ.NO: | GENERAL |
|----------|---------|
| DATE:    | N/A     |
| REF:     | N/A     |
| DWG.NO:  | 14      |

| #20         #40         #60         #140         #200         0.02         0.005         0.002           24         17         13         8         7.1         1 | #20         #40         #60         #140         #200           24         17         13         8         7.1 | 3/8"         #4         #10         #20         #40         #60         #140         #200           59         46         33         24         17         13         8         7.1 | 3/4"         1/2"         3/8"         #4         #10         #20         #40         #60         #140         #200           72         64         59         46         33         24         17         13         8         7.1 | 1 1/2" 1" 3/4" 1/2" 3/8" #4 #10 #20 #40 #60 #140 #200 | 3" 2" 11/2" 1" 3/4" 1/2" 3/8" #4 #10 #20 #40 #60 #140 #200                                  | T)         3"         2"         1 1/2"         1"         3/4"         1/2"         3/8"         #4         #10         #40         #60         #140         #200 | 3"         2"         1 1/2"         1"         3/4"         1/2"         3/8"         #4         #10         #20         #40         #60         #140         #200 |
|---|--|---|---|---|---|--|---|
| 17 13 8   | 33 24 17 13 8  | 59 46 33 24 17 13 8   | 72 64 59 46 33 24 17 13 8   | 80 75 70 E4 E0 A5 00 0                                |   | 10-20  |   |
| 17 13 8   | 33 24 17 13 8  | 59 46 33 24 17 13 8   | 72 64 59 46 33 24 17 13 8   | 82 7E 77 64 60 4E 22 24 47 42 0                       |   |  |   |
|   |  |   |   |   | 82 76 72 64 59 46 33 24 17 13 8   | 59 54 33 24 77 13 8  | 86 82 76 72 64 59 46 33 24 17 13 8  |
|   | ••••   |   |   |   |   | 10.0-12.0  | 2 7 10.0-12.0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5   |
|   |  |   |   |   |   | 0.8-2.0  | 2 0.8-2.0   |
| 6.2   | 6.2  | 6.2   | 6.2   | 6.2   |   | 5.0-7.0 [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [  | · · · · · · · · · · · · · · · · · · ·   |
|   |  |   |   |   |   | 0.7-2.0  | 2 0.7-2.0   |
| 6.4   | 6.4  | 6.4   | 6.4   | 6.4   | 6.4   | 5.0-7.0  |   |
| · · · · · · · · · · · · · · · · · · ·   |  | · · · · · · · · · · · · · · · · · · ·   |   |   |   | <ul> <li></li></ul>  |   |
|   | 0.0  |   | 9<br>9<br>9<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1  | ·····   | 9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9 |  | 3.2-4.5 3.2-4.5 7.5-9.5   |
| 6.5   | <u>6</u> .5  | <u>v</u><br>  |   | 99<br>9   | 9<br>9<br>9<br>9  |  | 7.5.9.5   |
|   |  |   |   |   |   | 5.0-7.0<br>3.2-4.5<br>7.5-9.5<br>2.5-9.5   |   |
|   |  |   |   |   |   | 6.0-7.0<br>5.0-7.0<br>5.0-7.0<br>5.0-7.0<br>5.0-7.0<br>7.5-9.5   |   |
|   |  |   | · · · · · · · · · · · · · · · · · · ·   |   |   | 0.8-2.0<br>5.0-7.0<br>5.0-7.0<br>5.0-7.0<br>5.0-7.0<br>3.2-4.5<br>7.5-9.5  |   |

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3031.03 15 November 2022 GEOTECH RPT PROJ.NO: DWG.NO: DATE: REF: SUMMARY OF LABORATORY SOILS DATA MEA TERM PALMER-FISHHOOK SUBSTATION NOTES: 1) The maximum particle size of samples is limited by the I.D. of the sampler opening or the width of the auger flights. 2) Soil plasticity was estimated following ASTM D 2488 when the Atterberg limits were not tested. 3) Frost classification was estimated following the USACE Frost Design Classification where hydrometer tests were not performed. \*Estimated classification WASILLA, AK R&M CONSULTANTS, INC.



**EXHIBIT C** 

.

# Amy Otto-Buchanan

From: Sent: To: Cc: Subject: Daniel Dahms Monday, April 24, 2023 11:37 AM Amy Otto-Buchanan Brad Sworts; Jamie Taylor; Tammy Simmons RE: RFC New Hope Est RSB #23-035

Amy,

PD&E has no comments.

Daniel Dahms, PE Department of Public Works Pre-Design and Engineering Division

From: Amy Otto-Buchanan < Amy.Otto-Buchanan@matsugov.us>

Sent: Tuesday, April 4, 2023 1:47 PM

To: sarah.myers@alaska.gov; Percy, Colton T (DFG) <colton.percy@alaska.gov>; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; msb.hpc@gmail.com; timhaledistrict1@gmail.com; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; earl.almdale@gmail.com; stark@mtaonline.net; mothers@mtaonline.net; Fire Code <Fire.Code@matsugov.us>; Margie Cobb <Margie.Cobb@matsugov.us>; Eric Phillips <Eric.Phillips@matsugov.us>; Brad Sworts <Brad.Sworts@matsugov.us>; Jamie Taylor <Jamie.Taylor@matsugov.us>; Elaine Flagg <Elaine.Flagg@matsugov.us>; Daniel Dahms <Daniel.Dahms@matsugov.us>; Tammy Simmons <Tammy.Simmons@matsugov.us>; Tom Adams <Tom.Adams@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; MSB Farmers <MSB.Farmers@matsugov.us>; Planning <MSB.Planning@matsugov.us>; Alex Strawn <Alex.Strawn@matsugov.us>; Fred Wagner <Frederic.Wagner@matsugov.us>; Permit Center <Permit.Center@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; andrew.fraiser@enstarnaturalgas.com; James Christopher <James.Christopher@enstarnaturalgas.com>; row@enstarnaturalgas.com; OSP Design Group <ospdesign@gci.com>; mearow@mea.coop; row@mtasolutions.com Subject: RFC New Hope Est RSB #23-035

The following link contains a Request for Comments to resubdivided 58313B03L006 & L007. Comments are due by April 26, 2023. Please let me know if you have any questions. Thanks, A.

New Hope Est RSB B3 L6-7

Amy Otto-Buchanan Platting Specialist <u>amy.otto-buchanan@matsugov.us</u> 907-861-7872

**EXHIBIT D** 

#### Amy Otto-Buchanan

| Permit Center                    |  |  |
|----------------------------------|--|--|
| Tuesday, April 4, 2023 3:14 PM   |  |  |
| Amy Otto-Buchanan                |  |  |
| RE: RFC New Hope Est RSB #23-035 |  |  |
|                                  |  |  |

Good Afternoon,

Lot 8313B03L007 has a driveway without a permit. Please have your applicant apply for their driveway permit.

Thank you,

Jennifer Monnin, CFM Permit Technician 350 E Dahlia Ave Palmer, AK 99645 Jennifer.monnin@matsugov.us 907-861-7822

From: Amy Otto-Buchanan < Amy.Otto-Buchanan@matsugov.us>

Sent: Tuesday, April 4, 2023 1:47 PM

To: sarah.myers@alaska.gov; Percy, Colton T (DFG) <colton.percy@alaska.gov>; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; msb.hpc@gmail.com; timhaledistrict1@gmail.com; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; earl.almdale@gmail.com; stark@mtaonline.net; mothers@mtaonline.net; Fire Code <Fire.Code@matsugov.us>; Margie Cobb <Margie.Cobb@matsugov.us>; Eric Phillips <Eric.Phillips@matsugov.us>; Brad Sworts <Brad.Sworts@matsugov.us>; Jamie Taylor <Jamie.Taylor@matsugov.us>; Elaine Flagg <Elaine.Flagg@matsugov.us>; Daniel Dahms <Daniel.Dahms@matsugov.us>; Tammy Simmons <Tammy.Simmons@matsugov.us>; Tom Adams <Tom.Adams@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; MSB Farmers <MSB.Farmers@matsugov.us>; Planning <MSB.Planning@matsugov.us>; Alex Strawn <Alex.Strawn@matsugov.us>; Fred Wagner <Frederic.Wagner@matsugov.us>; Permit Center <Permit.Center@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; andrew.fraiser@enstarnaturalgas.com; James Christopher <James.Christopher@enstarnaturalgas.com>; row@enstarnaturalgas.com; OSP Design Group <ospdesign@gci.com>; mearow@mea.coop; row@mtasolutions.com Subject: RFC New Hope Est RSB #23-035

The following link contains a Request for Comments to resubdivided 58313B03L006 & L007. Comments are due by April 26, 2023. Please let me know if you have any questions. Thanks, A.

New Hope Est RSB B3 L6-7

Amy Otto-Buchanan Platting Specialist <u>amy.otto-buchanan@matsugov.us</u> 907-861-7872

EXHIBIT E

#### **Amy Otto-Buchanan**

| From:    | Moer  |
|----------|-------|
| Sent:    | Thurs |
| То:      | Amy   |
| Subject: | RFC N |
| Subject: | RFC   |

Moenaert, Crystal L (DFG) <crystal.moenaert@alaska.gov> Fhursday, April 6, 2023 11:10 AM Amy Otto-Buchanan RFC New Hope Est RSB #23-035

#### [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.] Good Morning,

The ADF&G Habitat Section has reviewed the RFC packet and associated documents for the creation of three lots from Lots 6 & 7, Block 3, new Hope Estates. Currently there are no resident or anadromous fish water bodies present within the boundaries of the subject property. At this time, a fish habitat permit from the ADF&G Habitat Section is not required. Should fish presence be discovered, please notify the ADF&G Habitat section at 907-861-3200.

Thank you for the opportunity to comment.

Sincerely,

Crystal Moenaert Habitat Biologist 2 ADF&G Habitat Section 1801 S Margaret Drive, Suite 6 Palmer AK 99645 Ph: 907-861-3204 ADF&G Habitat Section Permits Link



### EXHIBIT F



ENSTAR Natural Gas Company A DIVISION OF SEMCO ENERGY Engineering Department, Right of Way Section 401 E. International Airport Road P. O. Box 190288 Anchorage, Alaska 99519-0288 (907) 277-5551 FAX (907) 334-7798

April 5, 2023

Matanuska-Susitna Borough, Platting Division 350 East Dahlia Avenue Palmer, AK 99645-6488

To whom it may concern:

ENSTAR Natural Gas Company has reviewed the following abbreviated plat and has no comments or recommendations.

## • NEW HOPE ESTATES SUBDIVISION LOTS 6A, 7A AND 7B (MSB Case # 2023-035)

If you have any questions, please feel free to contact me at 334-7944 or by email at james.christopher@enstarnaturalgas.com.

Sincerely,

ames Christopher

James Christopher Right of Way & Compliance Technician ENSTAR Natural Gas Company



#### Amy Otto-Buchanan

| From:        | OSP Design Group <ospdesign@gci.com></ospdesign@gci.com> |  |  |
|--------------|--|--|--|
| Sent:        | Tuesday, April 25, 2023 8:33 AM                          |  |  |
| То:          | Amy Otto-Buchanan  |  |  |
| Cc:          | OSP Design Group   |  |  |
| Subject:     | RE: RFC New Hope Est RSB #23-035                         |  |  |
| Attachments: | RFC Packet.pdf; Agenda Plat.pdf                          |  |  |
|              |  |  |  |

#### [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.] Amy,

In review GCI has no comments or objections to the plat, attached is the signed plat for your records.

Thanks, MIREYA ARMESTO GCI | Technician II, GIS Mapping m: 907-744-5166 | w: <u>www.gci.com</u>

#### From: Amy Otto-Buchanan < Amy.Otto-Buchanan@matsugov.us>

Sent: Tuesday, April 4, 2023 1:47 PM

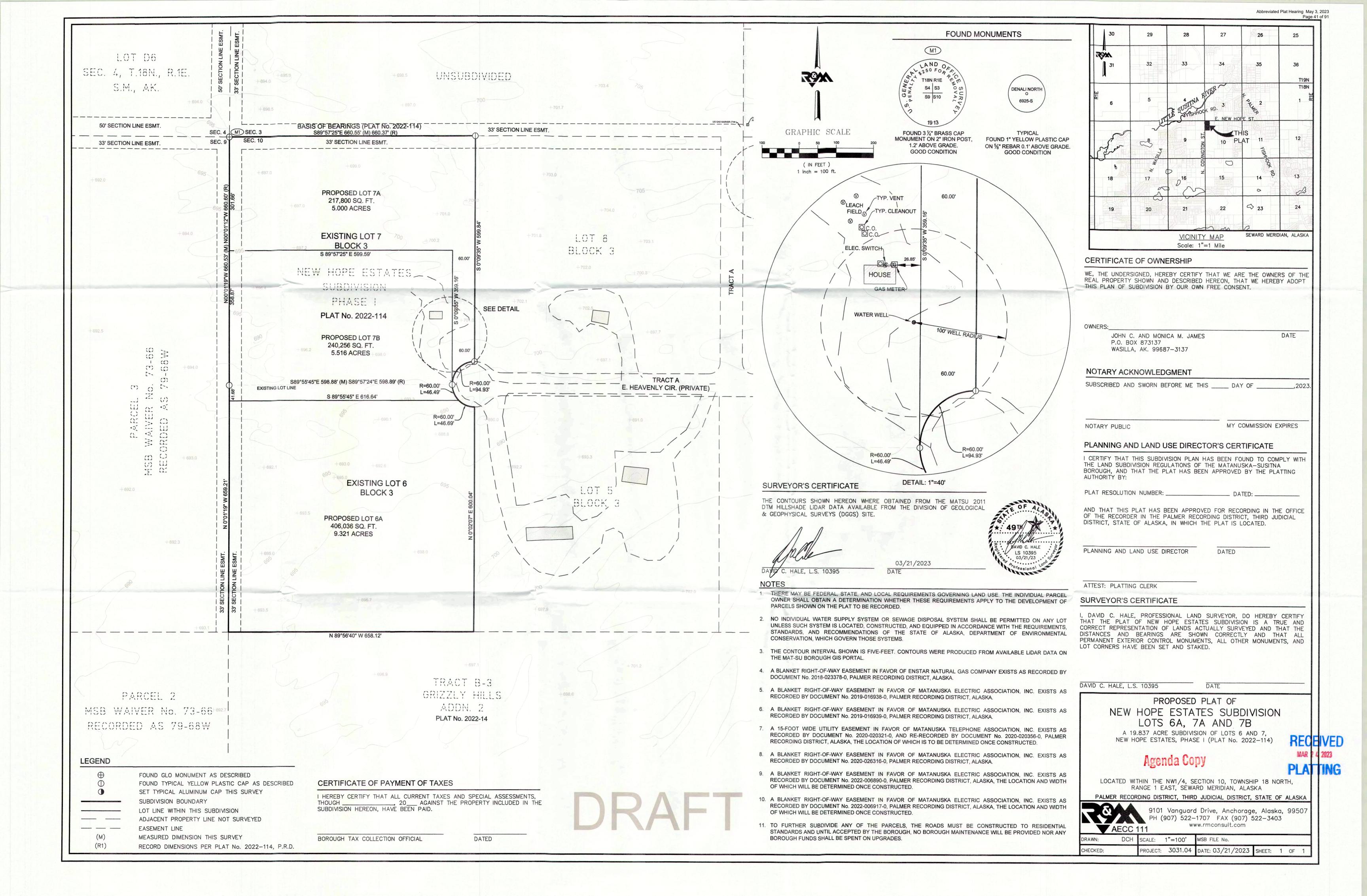
To: sarah.myers@alaska.gov; Percy, Colton T (DFG) <colton.percy@alaska.gov>; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; msb.hpc@gmail.com; timhaledistrict1@gmail.com; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; earl.almdale@gmail.com; stark@mtaonline.net; mothers@mtaonline.net; Fire Code <Fire.Code@matsugov.us>; Margie Cobb <Margie.Cobb@matsugov.us>; Eric Phillips <Eric.Phillips@matsugov.us>; Brad Sworts <Brad.Sworts@matsugov.us>; Jamie Taylor <Jamie.Taylor@matsugov.us>; Elaine Flagg <Elaine.Flagg@matsugov.us>; Daniel Dahms <Daniel.Dahms@matsugov.us>; Tammy Simmons <Tammy.Simmons@matsugov.us>; Tom Adams <Tom.Adams@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; MSB Farmers <MSB.Farmers@matsugov.us>; Planning <MSB.Planning@matsugov.us>; Alex Strawn <Alex.Strawn@matsugov.us>; Fred Wagner <Frederic.Wagner@matsugov.us>; Permit Center <Permit.Center@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; andrew.fraiser@enstarnaturalgas.com; James Christopher <James.Christopher@enstarnaturalgas.com>; row@enstarnaturalgas.com; OSP Design Group <ospdesign@gci.com>; mearow@mea.coop; row@mtasolutions.com Subject: RFC New Hope Est RSB #23-035

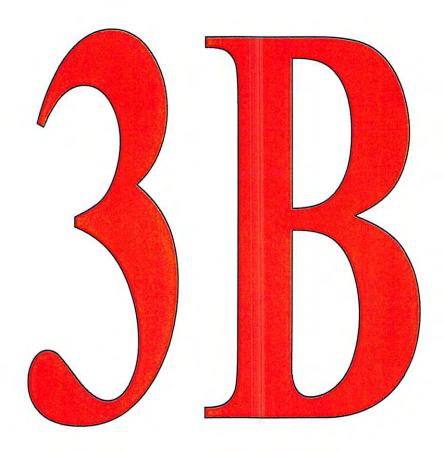
#### [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.]

The following link contains a Request for Comments to resubdivided 58313B03L006 & L007. Comments are due by April 26, 2023. Please let me know if you have any questions. Thanks, A.

#### New Hope Est RSB B3 L6-7

Amy Otto-Buchanan Platting Specialist <u>amy.otto-buchanan@matsugov.us</u> 907-861-7872





#### STAFF REVIEW AND RECOMMENDATIONS PUBLIC HEARING MAY 3, 2023

| ABBREVIATED PLAT:     | BUSH PILOT ESTATES PHASE I RSB BLOCK 2 LOT 3 & TRACT A |                  |  |  |
|-----------------------|--|------------------|--|--|
| LEGAL DESCRIPTION:    | SEC 13, T17N, R03W, SEWARD MERIDIAN AK                 |                  |  |  |
| PETITIONERS:          | ROBBIE & REBECCA SMART AND BUSH PILOT ESTATES LLC      |                  |  |  |
| SURVEYOR/ENGINEER:    | HANSON LAND SOLUTIONS                                  |                  |  |  |
| ACRES: 14.92 <u>+</u> | PARCELS: 2   |                  |  |  |
| <b>REVIEWED BY:</b>   | AMY OTTO-BUCHANAN                                      | CASE #: 2023-041 |  |  |

**REQUEST**: The request is to create two lots from Lot 3, Block 2 and Tract A of Bush Pilot Estates Phase I, Plat No. 2015-38, to be known as **LOTS 3A and TRACT A-1**, containing 14.92 acres +/-. The parcel is located south of the intersection of W. Big Lake Road and W. Parks Highway, south of W. Padre Pio Road and borders on Johnson Pond; within Section 13, Township 17 North, Range 03 West, Seward Meridian, Alaska.

#### **EXHIBITS**

| Vicinity Map and Aerial Photos                 | EXHIBIT A – 4 pgs         |
|--|---------------------------|
| Soils Report                                   | <b>EXHIBIT B</b> – 17 pgs |
| Topographic Mapping & As-Built                 | EXHIBIT C – 3 pgs         |
| AGENCY COMMENTS                                |                           |
| Department of Public Works Pre-Design Division | <b>EXHIBIT D</b> – 1 pg   |
| Development Services                           | <b>EXHIBIT E</b> – 1 pg   |
| ADF&G  | EXHIBIT F – 1 pg          |
| Utilities                                      | EXHIBIT G – 2 pgs         |

**DISCUSSION**: This platting action is creating two lots from existing Lot 3, Block 2 and Tract A of Bush Pilot Estates Phase I. The lot line adjustment is adding 15' on the southwest boundary to existing Lot 3. Lot 3, as it exists, is a 60' wide flag pole, with access onto S. Northwind Circle, a private road. Pursuant to MSB 43.20.100(C)(5), existing lots created within subdivisions recorded with platting private roads may be subdivided using the private roads as the legal and physical access. Tract A includes a runway and the waterbody known as Johnsons Pond; it also has access onto S. Northwind Circle. Tract A is labeled as a subdivision park on the original plat of Bush Pilot Estates Phase I, but does not include a plat note restricting the use of Tract A; therefore, a plat note amendment is not required.

<u>Soils Report</u>: (Exhibit B) Simon Gilliland, PE, Hanson Land Solutions, notes Lot 3 and Tract A were certified by Curtis Holler, Holler Engineering, prior to recording of Plat No. 2015-38. The proposed platting action is taking the existing boundary of Lot 3 and adding to the existing lot. The previously certified lot has been certified as filled to create a minimum of 10,000 sf of useable septic area as required by Borough code, while maintaining 10,000 sf of useable building area. Tract A was also certified originally and the

proposed Tract A-1 is still over the 400,000 sf area requirement for a soils log. Prior certification of the tract will be used in this new tract also. A copy of the complete soils report from Mr. Holler, dated December 6, 2010 is attached. Topographic mapping and as-built is at **Exhibit C**.

**<u>Comments</u>**: Department of Public Works Pre-Design Division (**Exhibit D**) has no comments. Development Services (**Exhibit E**) notes there is an existing driveway that accesses to 1297 S. Northwind Circle that does not have a driveway permit. Petitioner to apply for a driveway permit and provide a copy of the application to Platting staff (see *Recommendation #5*).

<u>ADF&G</u>: (Exhibit F) Currently there are no anadromous fish water bodies present within the boundaries of the subject property; however, there is a potential for resident fish presence at Johnson Pond. A fish habitat permit from the ADF&G Habitat Section is not required at this time. If water withdrawal from Johnson Pond is needed in the future, a fish habitat permit will be required. Should fish presence be discovered, please contact ADF&G Habitat Section at 907-861-3200.

<u>Utilities</u>: (Exhibit G) GCI has no comments. Enstar has no comments or recommendations. MEA and MTA did not respond.

At the time of staff report write-up, there were no responses to the Request for Comments from US Army Corps of Engineers; Community Council Big Lake; Fire Service Area #136 West Lakes; MSB Emergency Services, Community Development, Assessments or Planning; MEA or MTA.

<u>CONCLUSION</u>: The preliminary plat of **BUSH PILOT ESTATES PHASE I RSB BLOCK 2 LOT 3** & **TRACT A** is consistent with AS 29.40.070 Platting Regulations and MSB 43.15.025 Abbreviated Plats. There were no objections from any federal or state agencies, Borough departments, or utilities. There were no objections to the plat from the public in response to the Notice of Public Hearing. Legal and physical access exists to the proposed lots, consistent with MSB 43.20.100 Access Required, MSB 43.20.120 Legal Access and MSB 43.20.140 Physical Access. Frontage for the subdivision exists, pursuant to MSB 43.20.320 Frontage and MSB 43.20.300(E). A soils report was submitted, pursuant to MSB 43.20.281(A)(1).

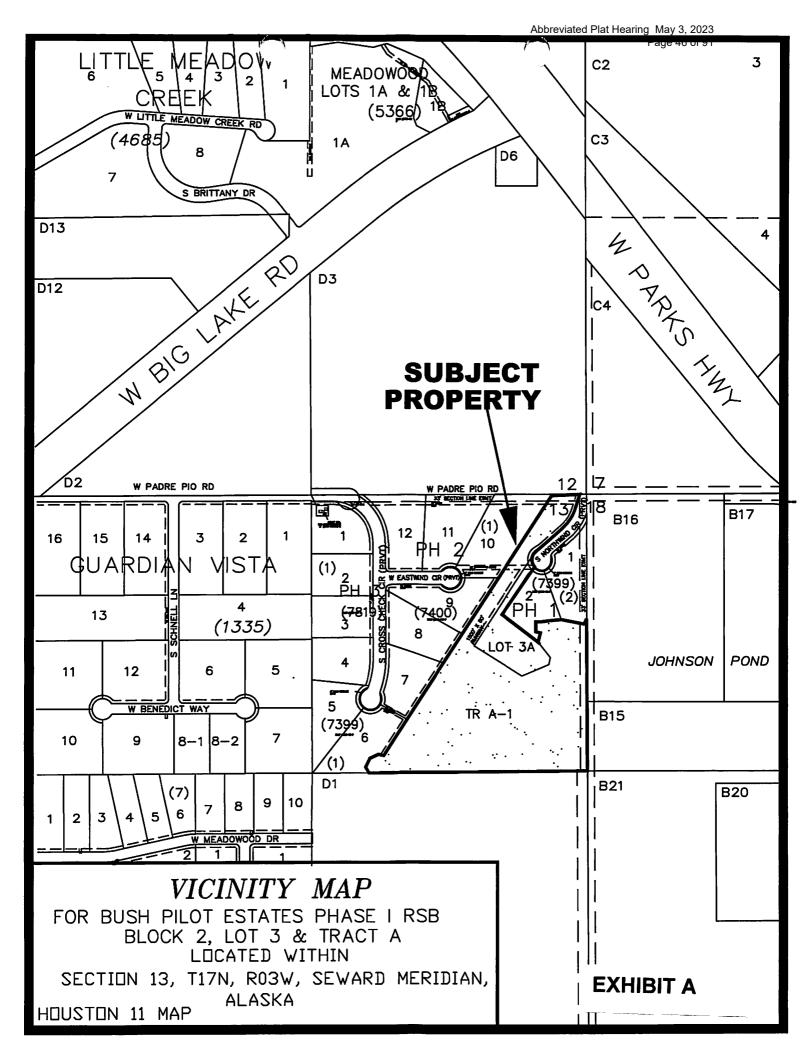
#### FINDINGS OF FACT

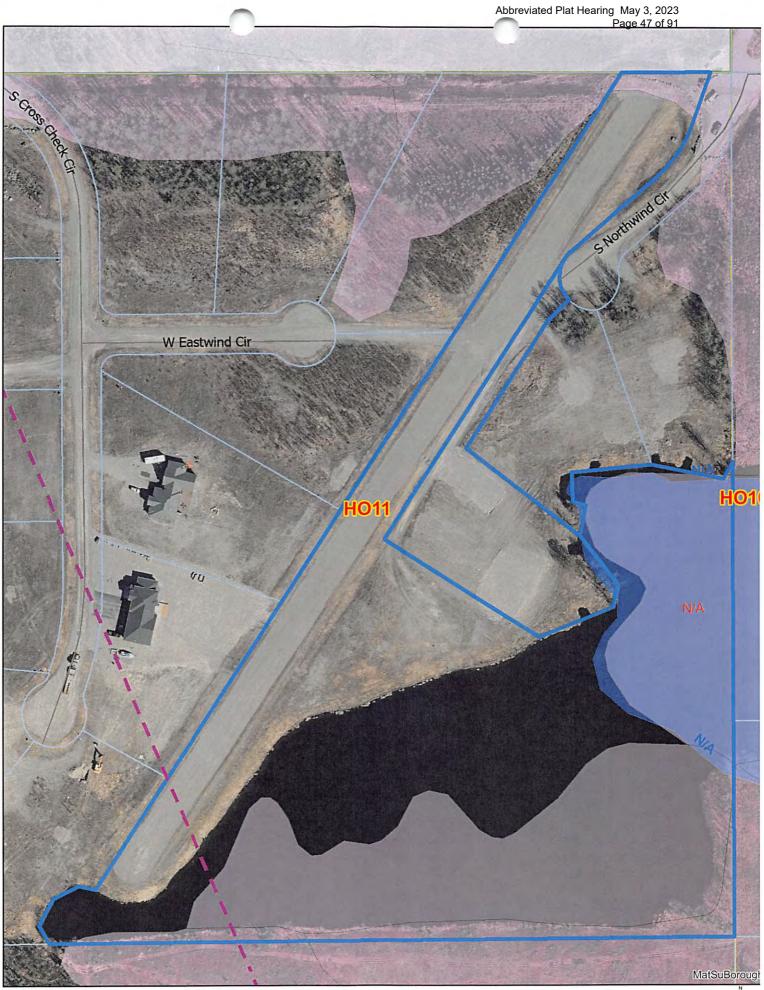
- 1. The plat of Bush Pilot Estates Phase I RSB Block 2 Lot 3 and Tract A is consistent with AS 29.40.070 Platting Regulations and MSB 43.15.016 Preliminary Plats.
- 2. A soils report was submitted, pursuant to MSB 43.20.28(A)(1). All lots have the required useable area.
- 3. All lots will have the required frontage pursuant to MSB 43.20.320 and MSB 43.20.300(E).
- 4. At the time of staff report write-up, there were no responses to the Request for Comments from US Army Corps of Engineers; Community Council Big Lake; Fire Service Area #136 West Lakes; MSB Emergency Services, Community Development, Assessments or Planning; MEA or MTA.
- 5. There were no objections from any federal or state agencies, Borough departments, or utilities.
- 6. There were no objections from the public in response to the Notice of Public Hearing.
- 7. Pursuant to MSB 43.20.100(C)(5), existing lots created within subdivisions recorded with platting private roads may be subdivided using the private roads as the legal and physical access.

#### **RECOMMENDED CONDITIONS OF APPROVAL:**

Staff recommends approval of the abbreviated plat of Bush Pilot Estates Phase I RSB Block 2 Lot 3 and Tract A, contingent on the following recommendations:

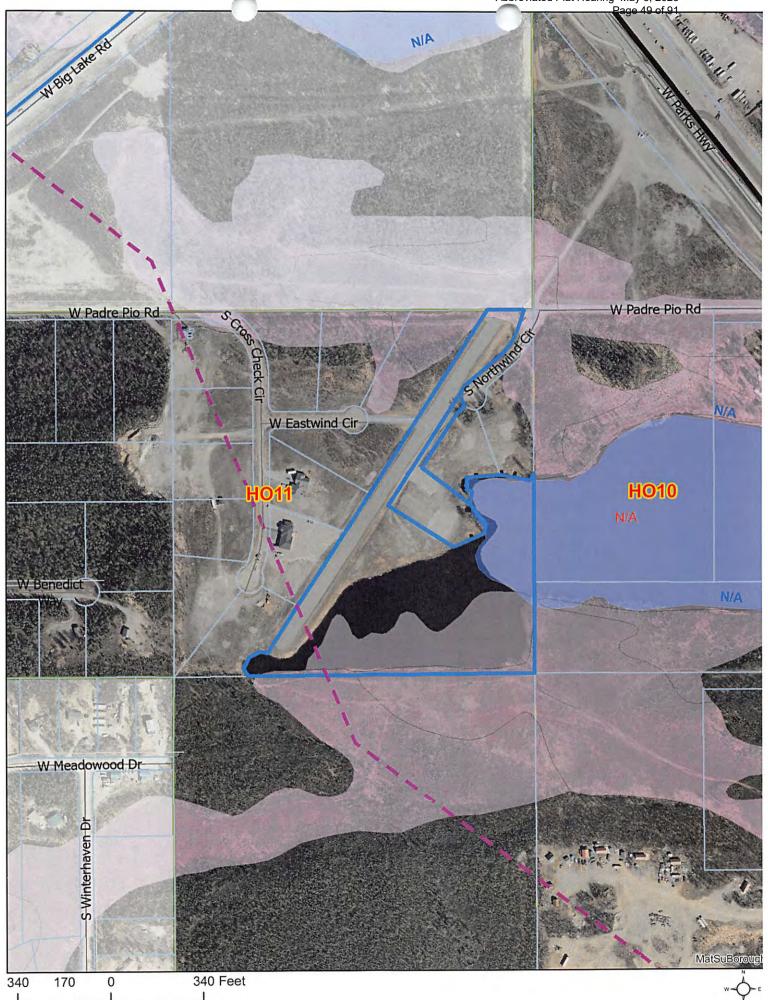
- 1. Taxes and special assessments must be paid in full for the year of recording, pursuant to MSB 43.15.053(F) and AS 40.15.020. Pay taxes and special assessments (LIDs), by CERTIFIED FUNDS OR CASH.
- 2. Provide updated Certificate to Plat executed within seven (7) days of recording of plat and submit Beneficiary Affidavit for any holders of a beneficial interest.
- 3. Pay postage and advertising fees.
- 4. Show all easements of record on final plat.
- 5. Apply for a driveway permit for Lot 3A and provide a copy of the application to Platting staff.
- 6. Submit recording fees, payable to Department of Natural Resources (DNR).
- 7. Submit final plat in full compliance with Title 43.







Abbreviated Plat Hearing May 3, 2023



Abbreviated Plat Hearing May 3, 2023 Page 50 of 91

#### HANSON LAND SOLUTIONS

SURVEYING, ENGINEERING & LAND DEVELOPMENT SERVICES 305 E. FIREWEED AVE. PALMER, AK 99645



September 21, 2022

Matanuska-Susitna Borough Planning and Land Use Department Platting Division Attention Fred Wagner 350 E. Dahlia Avenue Palmer, Alaska 99645

RE: Bush Pilot Estates PH I Lot 3A and Tract A-1, Block 2 Usable Area Certification

Mr. Wagner,

Lot 3 and Tract A of the previously recorded plat were certified by Curtis Holler prior to recording. His initial usable area certification is attached for you reference. The proposed platting action is taking the existing boundary of Lot 3 and adding to the existing lot. The previously certified lot had been certified as filled to create a minimum of 10,000 square feet of "Usable Septic Area" as required per Title 43.20.281 of the Matanuska-Susitna Borough Code while maintaining 10,000 square feet of "Usable Building Area". Tract A was also certified originally and the proposed Lot A-1 is still over the 400,000 sf area requirement for a soils log. Prior certification of lot will be used to this new lot also.

Respectfully,

imon Gilliland

Simon Gilliland, PE Hanson Land Solutions 305 E, Fireweed Ave. Palmer, AK 99645 (907)746-7738



RECEIVED APR 0 4 2023 PLATT EXHIBIT B Page 51 of 91 HOLLER ENGINEERING Water, Wastewater & Soils Consulting 3375 N Sams Dr. Wasilla, Alaska 99654 • 376-0410

Abbreviated Plat Hearing May 3, 2023

ECEIM

DEC - (. 2010

TTY I NUSIGE

December 6, 2010

Paul Hulbert MSB Platting Officer 350 East Dahlia Avenue Palmer, Alaska 99645

Re: Bush Pilot Estates; Useable Areas, Flood Hazard Areas, Sample Wells & Drainage Patterns. HE Project # 05036

Dear Mr. Hulbert:

At the request of Bob Fisher, we have performed a soils investigation and related preliminary design work for the referenced proposed subdivision. The project will create 15 new lots and one tract from one existing 40-acre lot with frontage on Johnson Pond. Our soils investigation included logging 10 testholes, review of the provided topography information and observing conditions at the site. See the attached testhole location, drainage and topography map for details.

<u>History.</u> The project site is a reclaimed gravel pit and gravel/peat extaction site, with a significant portion of the pond being man-made. Permits were obtained for all of the mining work. This subdivision was previously approved under Title 16 in a near-identical state, including several lots which were filled as part of the reclamation to provide adequate useable septic area. The external access roads and internal roads were fully constructed and approved by MSB as part of the earlier process; no changes to the roads are proposed.

<u>Topography.</u> The parent parcel slopes between 2-5% grade to the west, with frontage on Johnson Pond along the eastern border. The project surveyor provided a 5' contour topography map. The total elevation differential indicated from the map is around 40'. MSB code requires 2' contours be provided along water bodies, however in this case the bank is steep right to the waters edge and typically rises over 3'; with a lake surface elevation of 208.4', the 208' contour line is underwater, and the 212' contour lies only 3'-4' from the 210' contour. With a scale of 1" = 100', the lines would appear as one wide line and there is no practical value to showing the 2' contours.

Soils & Vegetation. With the exception of a few mature birch trees scattered throughout the lots, most of the natural vegetation was cleared in the past. Currently seeded grass, small plants, and some small shrubberg have begun to appear, and much of the site

RECEIVED APR 0.4 2023 PLATTING remains gravel. Soils logged in the 10 testholes varied from dense sand & gravel with silt to clean sands and gravels. In many cases, the native topsoils had been previously stripped and some areas had been filled. One percolation tests was conducted, with a result of 37 minutes/inch. Whether filled or native, soils within areas considered as *useable septic area* are well within the normal range and will not limit development. Copies of the 10 original soils logs are attached.

<u>Groundwater</u>. Groundwater was encountered in the logged testholes and several other holes that were not logged. The levels were monitored over the past 5 years as fill was placed to 8' above the groundwater table. Depths of the testholes ranged between 9 and 15 feet depending on whether a groundwater table was encountered. Although the testholes were excavated in 2005, most will fulfill the depth requirements of 27.20.060A1aii due to encountered water table. Based on the soil types and proximity to surface water, a shallow groundwater table is expected in lower areas close to the lake and any swamp areas. Areas considered as *useable building area* have a groundwater table at least 4' below grade.

<u>Useable Areas.</u> As the older subdivision standards were more stringent in requiring twice as much useable septic area, the filled lots easily qualify under the present standard. The proposed lots have some limitations on areas defined by MSB code as *useable septic area* or *useable building area*. For septic area, limits include new horizontal setbacks to private water wells, as well as *surface water*, and areas with a shallow groundwater table. For useable building area, limits include lotline setbacks, *waterbody* setbacks, groundwater and utility easements. Based on the available soils testing, topography & water table information, MSB Code definitions, and our extensive observations at the site, *each proposed lot will contain over 10,000 square feet of contiguous useable septic area, and an additional 10,000 square feet of useable building area. Proposed Tract A will contain over 10,000 square feet of useable building area and a septic system is constructible on the tract*.

<u>Preliminary Drainage Plan</u>. Although no further road construction is required, we have updated the previously accepted drainage map. The map shows general and ditched drainage patterns for the site. Additional drainage work was completed and accepted on the two access roads along the section line at the north border.

<u>100-Year Flood Hazard Area Determination</u>. From a FEMA Panel map, the lots are located in flood zone C and are not expected to be prone to flooding. Our flood evaluation included review of the provided topography contours, rainfall analysis and interviewing the longtime pit operator and project surveyor. Additionally, our staff have worked on this site since 2005. Based on many years of anecdotal observations, the lake level is very steady, varying by less than 1' seasonally. There is no formed inlet or outlet, and much of the remainder of the lake shoreline is adjacent to low swampy areas. Since the watershed is relatively small, and as it would be difficult to determine underground outflow, we have attempted a simple estimation of the maximum expected lake level rise due to a 100-year rainfall event. Based on measurements from a 1:25000 USGS topo map, the plat and the 2008 MSB Big Lake Watershed Atlas, the expanded Johnson Pond has a surface area of approximately 27.5 acres, with a total contributing area estimated at 280 acres. From the US Department of Commerce/Weather Bureau Technical Paper #52(1965) Figures 16, 22, 28 & 34, the maximum expected rainfall events for the Big Lake area are:

100 year/2-day event 4" - 5" 100 year/4-7 day event 5" - 7.5" 100 year/10-day event 7.5"

For the calculation, we have assumed a 7.5" rainfall over a 4 to 10 day period. Due to the unknown sub-surface outflow rate, we will conservatively assume that none of the rainfall leaves the lake during the event. For the 27-acre lake itself, the contribution would be 7.5". To account for the approximately 253-acre watershed surrounding the lake, we propose a runoff coefficient of 0.20; typical coefficients for undeveloped wooded areas are as low as 0.15, and 0.20 is conservatively averaged for the mix of developed and undeveloped areas around the lake. Adding the volume from the watershed areas results in the following calculated rise:

100 Year Rise ={(27 acres x7.5") +(253 acres x7.5" x0.20)}/ 27 acres =21.6" or 1.8'

Note that the calculation assumes that the area of the lake remains fixed, when due to the adjacent wetlands it would increase somewhat in an actual event.

In either case, the flood hazard areas shown on the attached map follow the 210' contour provided by the surveyor; as we mentioned earlier, the shore within the project site is steep and the contour and flood line would typically differ horizontally by less than 0.3'.

<u>Sample Wells</u>. A review of the state WELTS database provided 5 proximate well logs, copies of which are attached. The logs indicate yield rates of 20, 30, and 35 gallons per minute, with depths of 41, 60, and 80 feet. See the attached map for approximate locations.

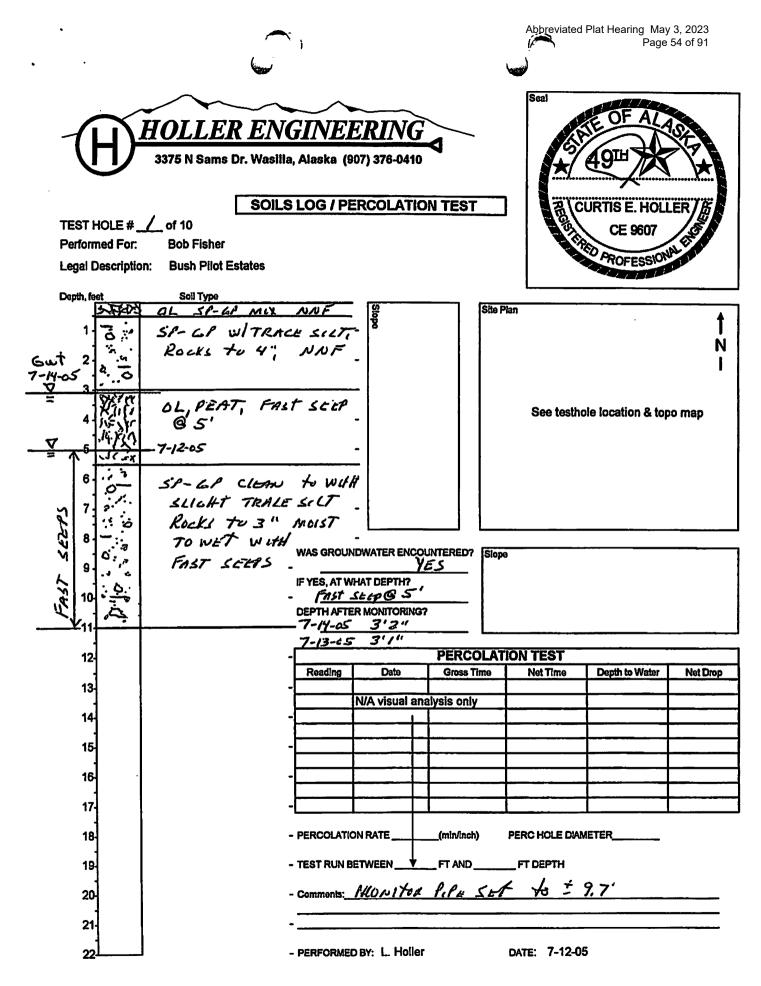
Please feel free to call with any questions you may have.

Sincerely

Curtis E. Holler, P.E.

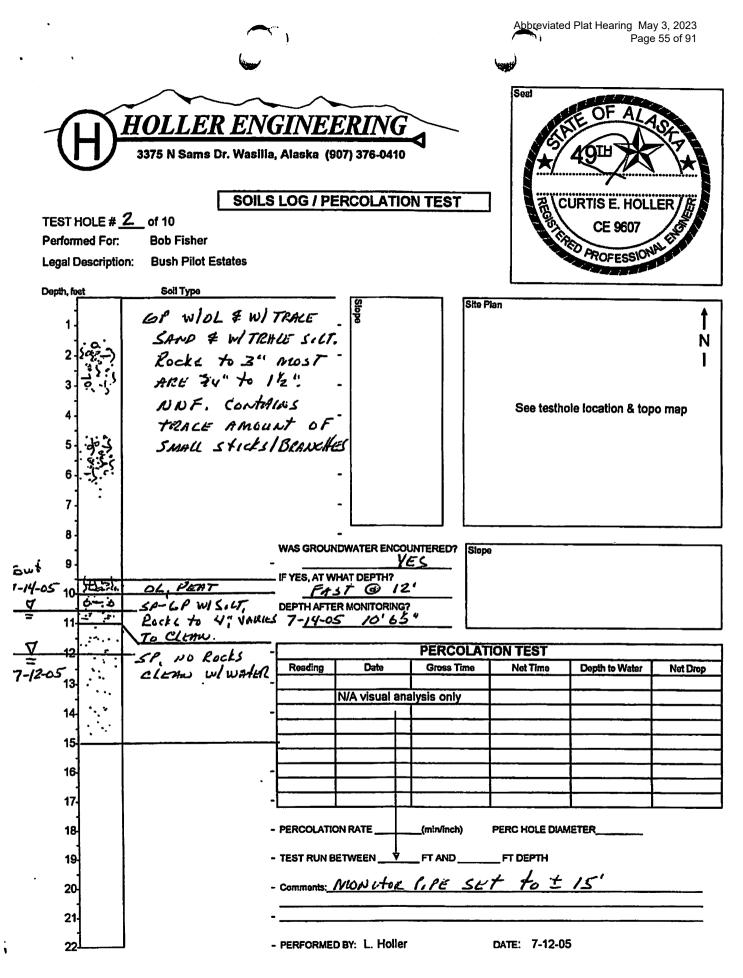
c: R. Fisher, w/attachments





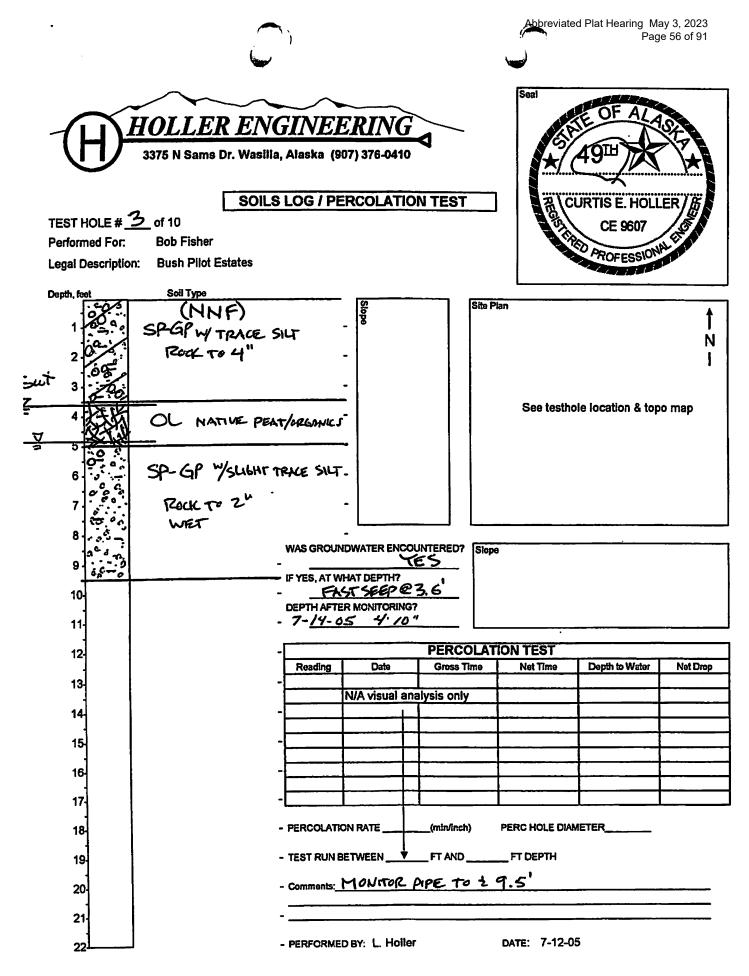
THLOG2.sts 7/13/2005

EXHIBIT D-4

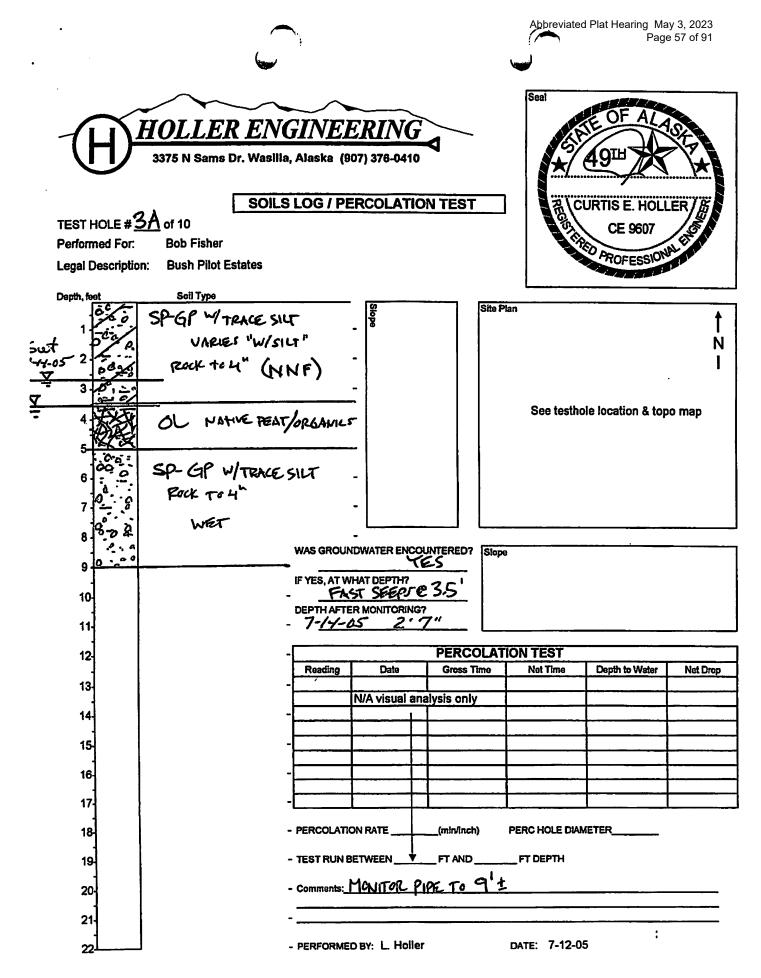


THLOG2.sts 7/13/2005

EXHIBIT D-5

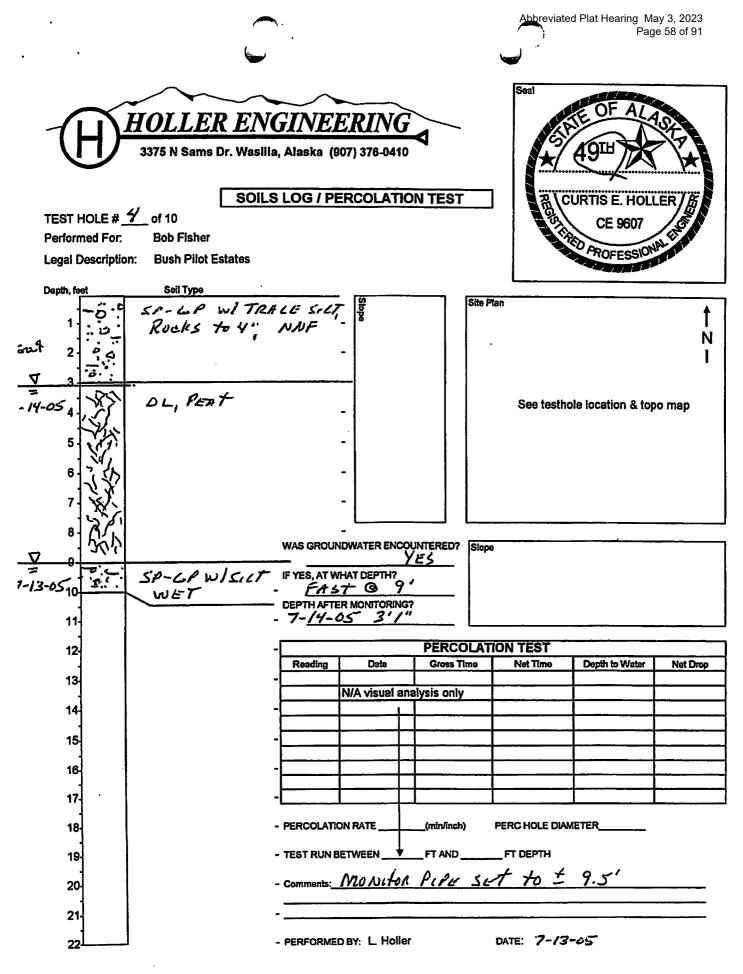


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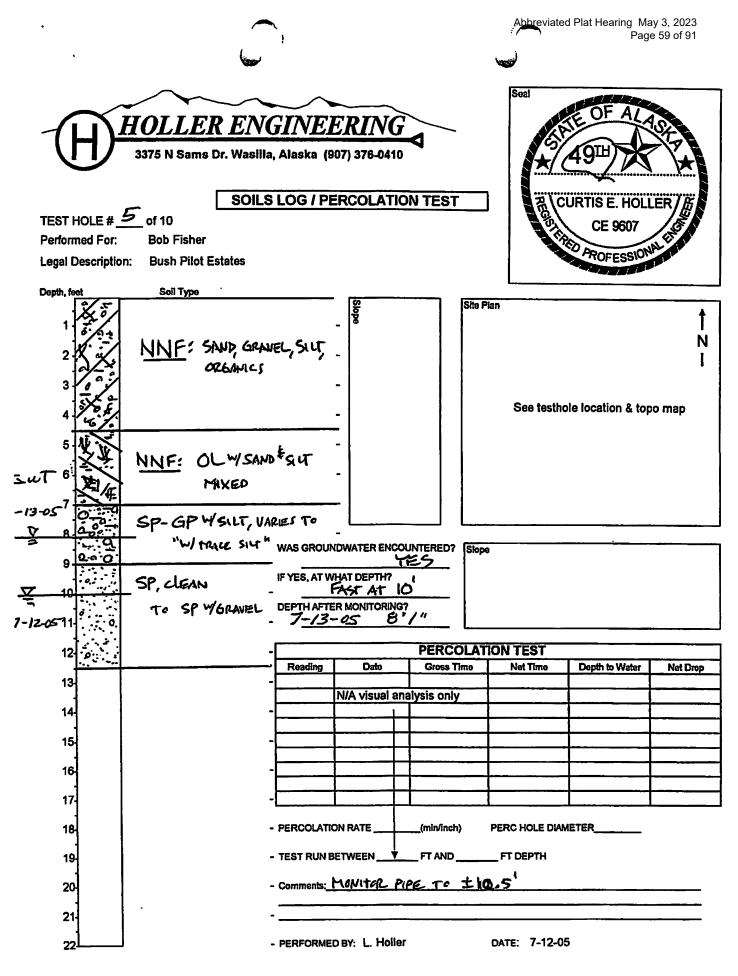


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**EXHIBIT D-7** 

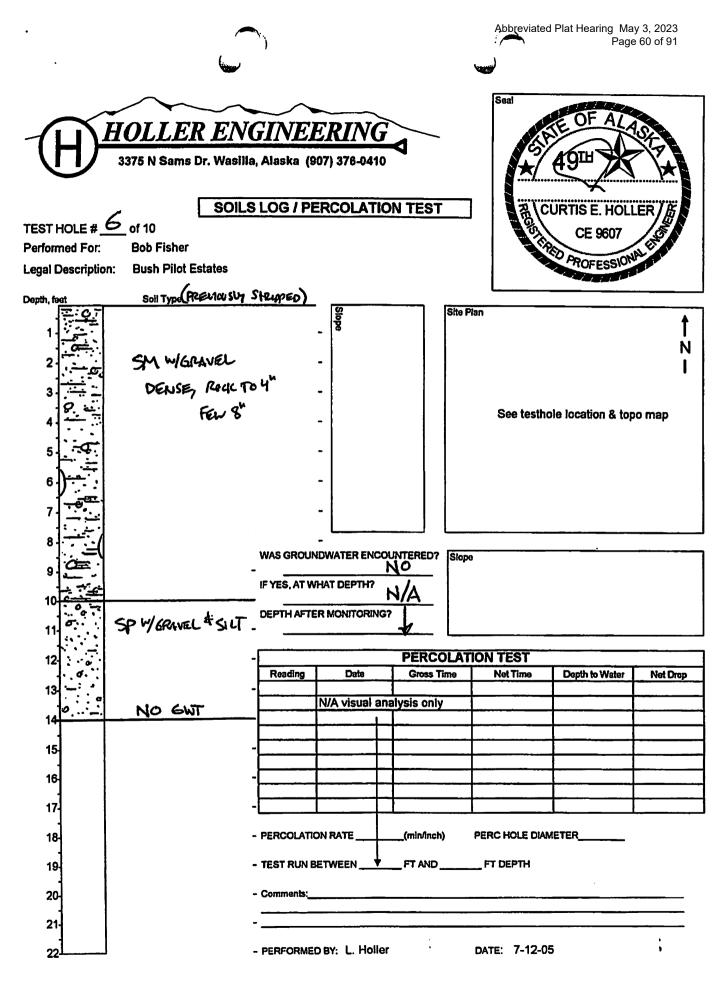


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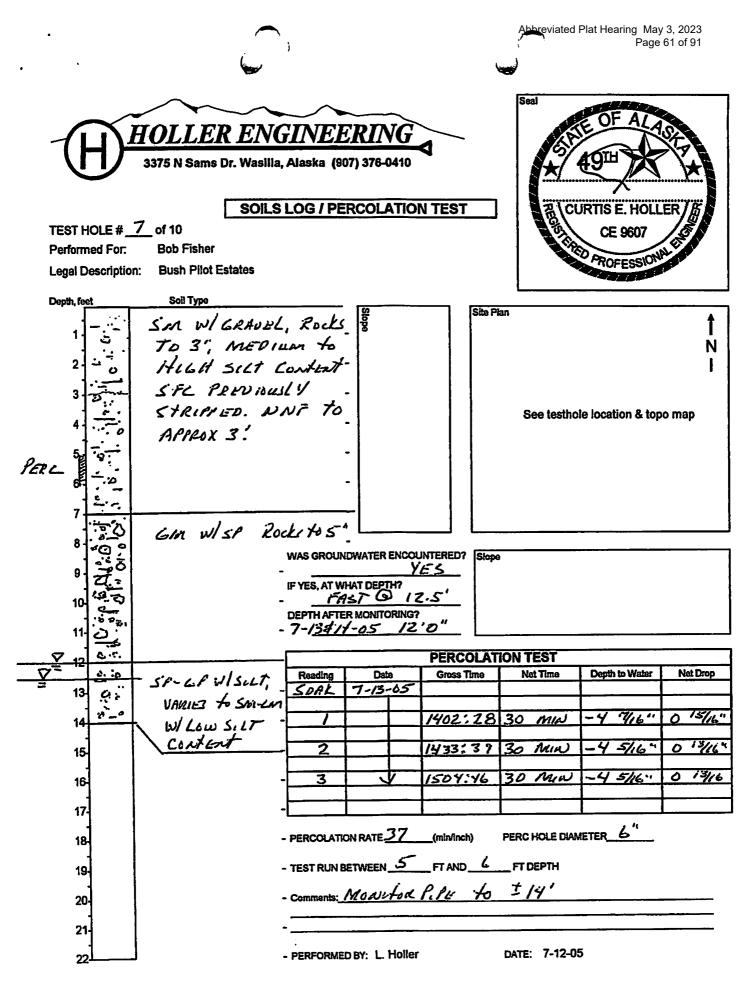


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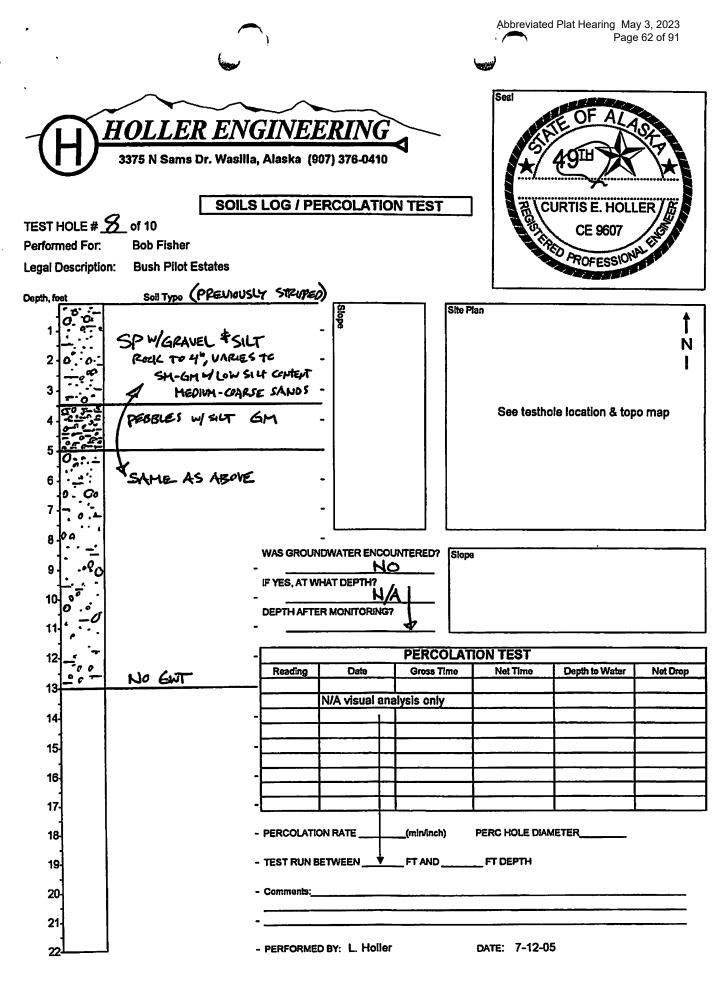
EXHIBIT D-9



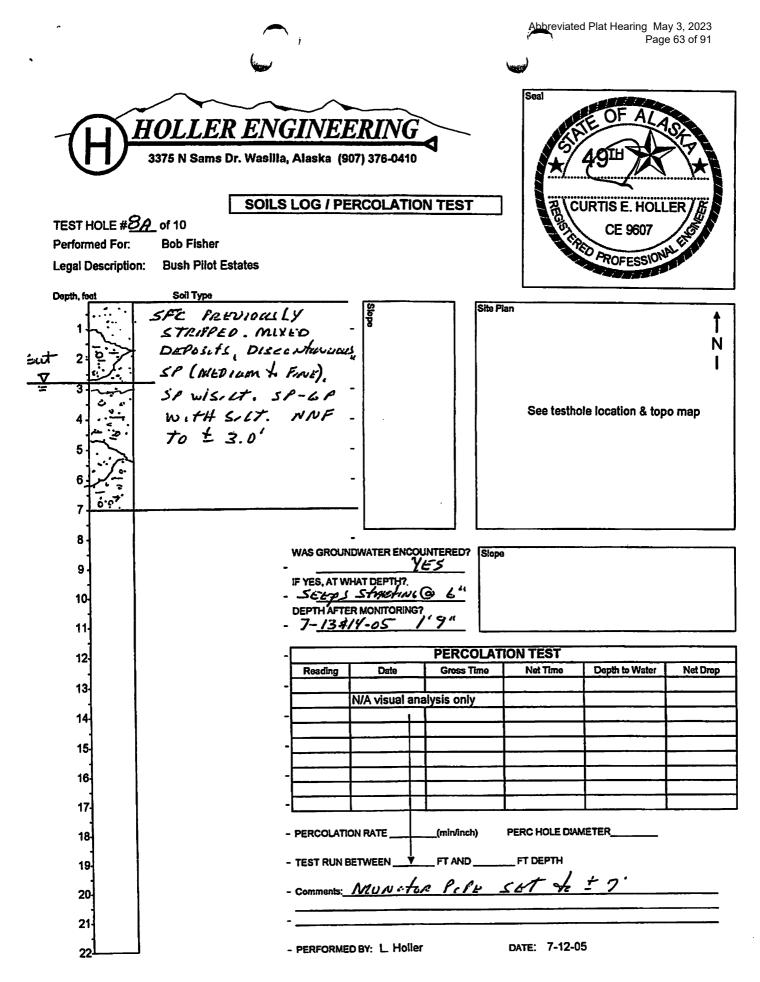
THLOG2.xts 7/13/2005



THLOG2.sts 7/13/2005



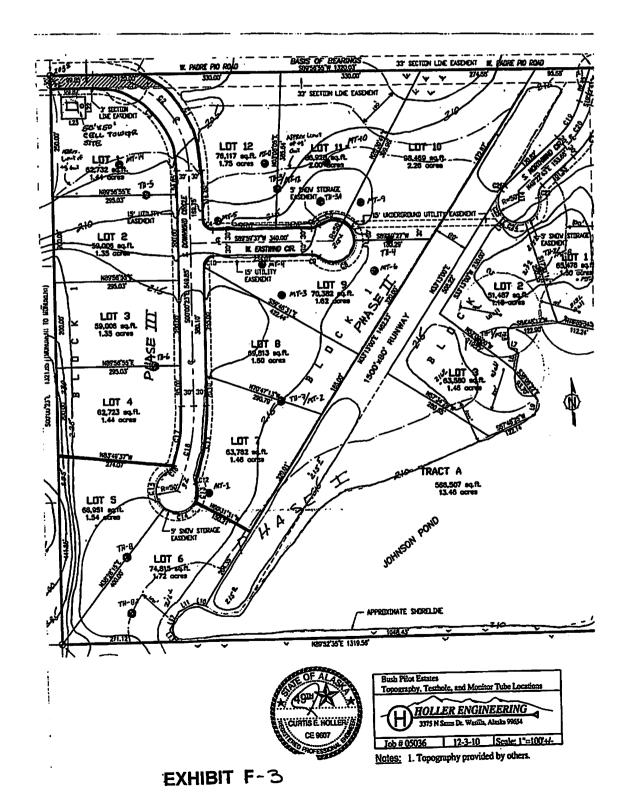
THLOG2 xts 7/13/2005

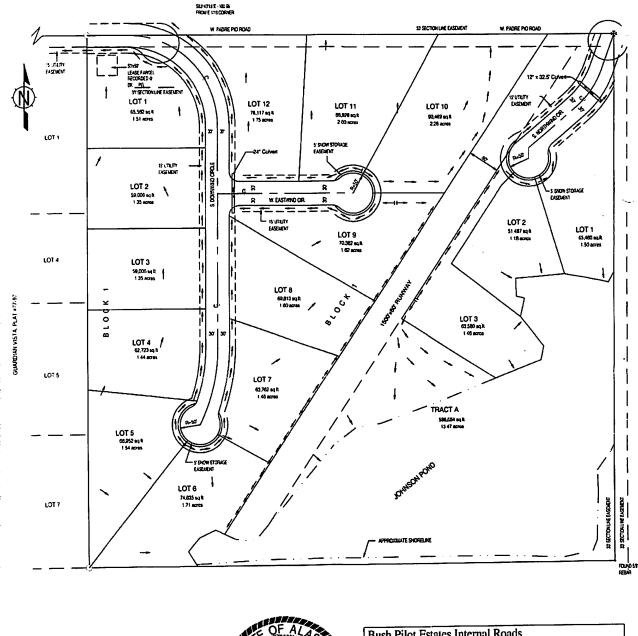


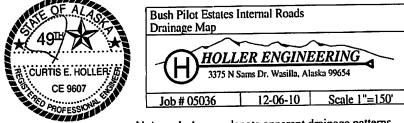
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EXHIBIT D-13

Abbreviated Plat Hearing May 3, 2023 Page 64 of 91

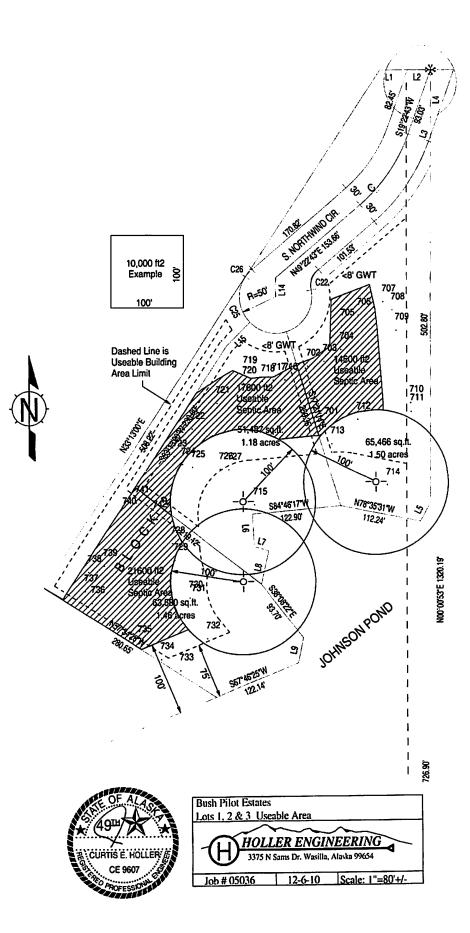




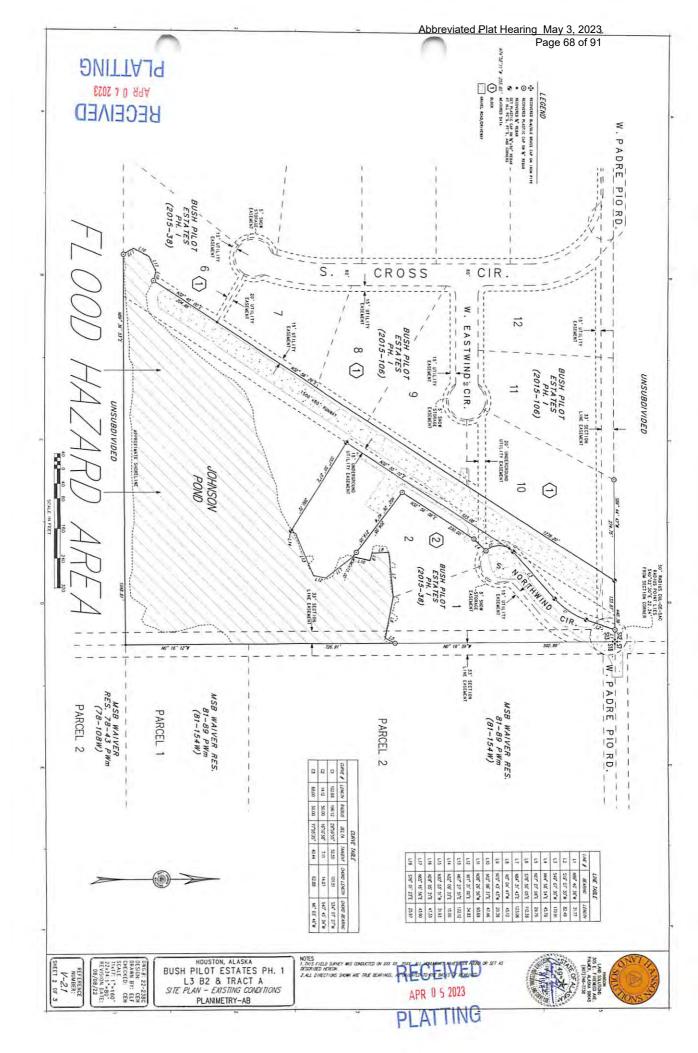


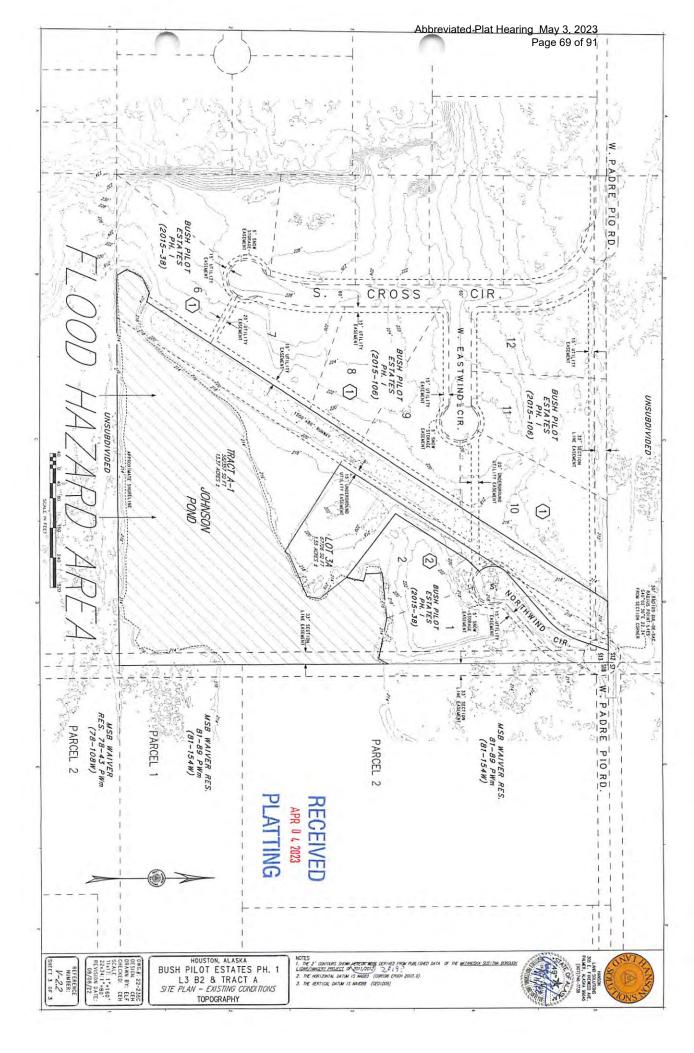
Notes: 1. Arrows denote apparent drainage patterns.

EXHIBIT E









#### Amy Otto-Buchanan

From: Sent: To: Cc: Subject: Daniel Dahms Tuesday, April 25, 2023 9:34 AM Amy Otto-Buchanan Tammy Simmons; Brad Sworts; Jamie Taylor RE: RFC Bush Pilot Est Ph 1 RSB #23-040

Amy,

PD&E has no comments.

Daniel Dahms, PE Department of Public Works Pre-Design and Engineering Division

From: Amy Otto-Buchanan < Amy.Otto-Buchanan@matsugov.us> Sent: Thursday, April 6, 2023 3:59 PM

To: Horton, George C (DNR) <george.horton@alaska.gov>; sarah.myers@alaska.gov; Percy, Colton T (DFG) <colton.percy@alaska.gov>; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; msb.hpc@gmail.com; mokietew@gmail.com; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; greg quinton <clinchnot@yahoo.com>; hsfirewise@gmail.com; Fire Code <Fire.Code@matsugov.us>; John Fairchild <John.Fairchild@matsugov.us>; Tawnya Hightower <Tawnya.Hightower@matsugov.us>; Margie Cobb <Margie.Cobb@matsugov.us>; Eric Phillips <Eric.Phillips@matsugov.us>; Brad Sworts@matsugov.us>; Jamie Taylor <Jamie.Taylor@matsugov.us>; Elaine Flagg <Elaine.Flagg@matsugov.us>; Tom Adams <Daniel.Dahms@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; Planning <MSB.Planning@matsugov.us>; Alex Strawn <Alex.Strawn@matsugov.us>; Fred Wagner <Frederic.Wagner@matsugov.us>; permit Center <Permit.Center@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; andrew.fraiser@enstarnaturalgas.com; James Christopher <James.Christopher@enstarnaturalgas.com>; row@enstarnaturalgas.com; OSP Design Group <ospdesign@gci.com>; mearow@mea.coop; row@mtasolutions.com Subject: RFC Bush Pilot Est Ph 1 RSB #23-040

The following link contains a Request for Comments to adjust the lot line between 57399000T00A and 57399B02L003. Comments are due by April 26, 2023. Please let me know if you have any questions. Thanks, A.

Bush Pilot Est Ph 1 RSB

Amy Otto-Buchanan Platting Specialist <u>amy.otto-buchanan@matsugov.us</u> 907-861-7872

EXHIBIT D

#### Amy Otto-Buchanan

| From:        |  |  |
|--------------|--|--|
| Sent:        |  |  |
| To:          |  |  |
| Cc:          |  |  |
| Subject:     |  |  |
| Attachments: |  |  |

OSP Design Group <ospdesign@gci.com> Tuesday, April 25, 2023 10:13 AM Amy Otto-Buchanan OSP Design Group RE: RFC Bush Pilot Est Ph 1 RSB #23-040 RFC Packet.pdf; Agenda Plat.pdf

# [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.] Amy,

In review GCI has no comments or objections to the plat, attached is the signed plat for your records.

Thanks, MIREYA ARMESTO GCI | Technician II, GIS Mapping m: 907-744-5166 | w: <u>www.gci.com</u>

From: Amy Otto-Buchanan < Amy.Otto-Buchanan@matsugov.us>

Sent: Thursday, April 6, 2023 3:59 PM

To: Horton, George C (DNR) <george.horton@alaska.gov>; sarah.myers@alaska.gov; Percy, Colton T (DFG)
<colton.percy@alaska.gov>; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; msb.hpc@gmail.com; mokietew@gmail.com; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; greg quinton
<cli><clinchnot@yahoo.com>; hsfirewise@gmail.com; Fire Code <Fire.Code@matsugov.us>; John Fairchild
<John.Fairchild@matsugov.us>; Tawnya Hightower <Tawnya.Hightower@matsugov.us>; Margie Cobb
<Margie.Cobb@matsugov.us>; Eric Phillips <Eric.Phillips@matsugov.us>; Brad Sworts <Brad.Sworts@matsugov.us>; Jamie Taylor@matsugov.us>; Elaine Flagg <Elaine.Flagg@matsugov.us>; Daniel Dahms
<Daniel.Dahms@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Katrina Kline
<katrina.kline@matsugov.us>; Planning <MSB.Planning@matsugov.us>; Alex Strawn <Alex.Strawn@matsugov.us>; Fred
Wagner <Frederic.Wagner@matsugov.us>; Permit Center <Permit.Center@matsugov.us>; Andy Dean
<Andy.Dean@matsugov.us>; andrew.fraiser@enstarnaturalgas.com; James Christopher
<James.Christopher@enstarnaturalgas.com>; row@enstarnaturalgas.com; OSP Design Group <ospdesign@gci.com>;
mearow@mea.coop; row@mtasolutions.com
Subject: RFC Bush Pilot Est Ph 1 RSB #23-040

#### [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.]

The following link contains a Request for Comments to adjust the lot line between 57399000T00A and 57399B02L003. Comments are due by April 26, 2023. Please let me know if you have any questions. Thanks, A.

#### Bush Pilot Est Ph 1 RSB

Amy Otto-Buchanan Platting Specialist <u>amy.otto-buchanan@matsugov.us</u> 907-861-7872



ENSTAR Natural Gas Company A DIVISION OF SEMCO ENERGY Engineering Department, Right of Way Section 401 E. International Airport Road P. O. Box 190288 Anchorage, Alaska 99519-0288 (907) 277-5551 FAX (907) 334-7798

April 10, 2023

Matanuska-Susitna Borough, Platting Division 350 East Dahlia Avenue Palmer, AK 99645-6488

To whom it may concern:

ENSTAR Natural Gas Company has reviewed the following preliminary plat and has no comments or recommendations.

## • BUSH PILOT ESTATES PH. 1 LOT 3A, BLOCK 2 AND TRACT A-1 (MSB Case # 2023-041)

If you have any questions, please feel free to contact me at 334-7944 or by email at james.christopher@enstarnaturalgas.com.

Sincerely,

James Christopher

James Christopher Right of Way & Compliance Technician ENSTAR Natural Gas Company

PLANNING & LAND USE DIRECTOR'S CERTIFICATE

I CERTIFY THAT THIS SUBDIVISION PLAN HAS BEEN FOUND TO COMPLY WITH THE LAND SUBDIVISION REGULATIONS OF THE MATANUSKA-SUSITNA BOROUGH, AND THAT THE PLAT HAS BEEN APPROVED BY THE PLATTING AUTHORITY BY PLAT RESOLUTION IN WHICH THE PLAT IS LOCATED

DATE PLANNING AND LAND USE DIRECTOR ATTEST: \_ (PLATTING CLERK) LINE TABLE BEARING LENGTH LINE # L1 N89° 25' 59"W 31.77 L2 S19° 22' 08"W 82.49 SURVEYOR'S CERTIFICATE L3 N49° 22' 08"E 170.91 L4 S45° 13' 33"W 45.79 L5 S27° 41' 47"W 29.75 49™★ 5 L6 N78° 35' 26"W 112.38 123.06 L7 S84° 46' 22"W CRAIG E. HANSON . LS 12312 . L8 S2° 50' 08"E 45.12 L9 S75° 29' 04"E 20.38 e and and and a L10 N12° 21' 16"E 47.46 I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF ALASKA, L11 S38° 12' 18"E 93.69 AND THAT THIS PLAT REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT MONUMENTS SHOWN ON THE PLAT ACTUALLY EXIST AS DESCRIBED AND THAT ALL DIMENSIONAL AND OTHER DETAILS ARE TRUE AND CORRECT TO THE BEST OF MY L12 S11° 45' 38"W 34.83 L13 S67° 42' 29"W 122.12 KNOWLEDGE. L14 N32° 24' 12"E 15.00 REGISTERED LAND SURVEYOR L15 S30° 39' 12"E 31.93 L16 | S28° 20' 10"W | 47.33 L17 S65° 31' 35"W 43.90 LEGEND L18 S75° 46' 44"E 25.97 RECOVERED BLM/GLO BRASS CAP ON IRON PIPE (N89°56'55"E) (31.81') MA (L1) RECOVERED PLASTIC CAP ON %" REBAR (S19°22'43"W) (82.45') (L2) RECOVERED %" REBAR SET PLASTIC CAP ON %"x30" REBAR (L3) (N49°22'43"E) (170.82') (C) COMPUTED DATA (S45°16'10"W) (45.78') (L4) N74 "58'11"W 255.65' MEASURED DATA (N27°41'42"E) (29.71' (L5) (N74°45'W) (254.70') RECORD PER PLAT (2015-38) [N74°45'W] [254.70'] RECORD PER PLAT (2015-106) (L6) (N78°53'31"W) (112.24') (76) SURVEY POINT NUMBER (L7) (S84°46'17"W) (122.90') 1 BLOCK (L8) (S02°50'13"E) (45.06') (S75°29'09"W) (20.35') (L9) (N76°17'24"W) (26.19') (L10) (S38°08'22"E) (93.70') (L11) JWH LS-5081 2022 (S11°49'34"W) (34.84') (L12) (L13) (S67°46'25"W) (122.14') LS 12312 TYPICAL RECOVERED 11/4" TYPICAL SET 1¾" PLASTIC CAP (L15) (S31°09'52"E) (32.20') PLASTIC CAP (L16) (N27°49'30"E) (47.73') (S66°00'55"W) (44.27') (L17) (L18) (N76°17'24"W) (26.19')

# NOTES

1. ALL DISTANCES SHOWN ARE GROUND DISTANCES. 2. THE BASIS OF BEARING ON THIS PLAT IS TRUE NORTH WITH RESPECT TO THE LONGITUDINAL MERIDIAN THROUGH THE SOUTHEAST CORNER OF TRACT A-1, A RECOVERED REBAR (SURVEYED POINT 761) WITH A NETWORK GNSS GEODETIC POSITION OF 61° 34' 00.95"N 149° 43' 21.03"W

3. NO INDIVIDUAL WATER SUPPLY SYSTEM OR SEWAGE DISPOSAL SYSTEM SHALL BE PERMITTED ON ANY LOT UNLESS THE SYSTEM IS LOCATED, CONSTRUCTED, AND EQUIPPED IN ACCORDANCE WITH THE REQUIREMENTS, STANDARDS, AND RECOMMENDATIONS OF THE STATE OF ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION, WHICH GOVERNS THOSE SYSTEMS.

4. THERE MAY BE FEDERAL, STATE, AND LOCAL REQUIREMENTS GOVERNING LAND USE. THE INDIVIDUAL PARCEL OWNER SHALL OBTAIN A DETERMINATION WHETHER THESE REQUIREMENTS APPLY TO THE DEVELOPMENT OF PARCELS SHOWN ON THE PLAT TO BE RECORDED.

5. THIS SUBDIVISION IS ENCUMBERED BY MEA BLANKET EASEMENTS RECORDED ON OCTOBER 30, 2003 AT DOCUMENT# 2003-032564-0 AND ON APRIL 13, 2012 AT DOCUMENT# 2012-007264-0 AND 2012-007265-0

6. THIS SUBDIVISION IS ENCUMBERED BY A MTA BLANKET EASEMENT RECORDED ON OCTOBER 2, 200 AT DOCUMENT# 2009-022081-0.

7. THIS SUBDIVISION IS ENCUMBERED BY AN ENSTAR BLANKET EASEMENT RECORDED ON JUNE 19, 2015 AT DOCUMENT# 2015-012652-0. 8. THIS SUBDIVISION IS ENCUMBERED BY COVENANTS, CONDITIONS, AND

RESTRICTIONS RECORDED ON APRIL 20, 2015 AT DOCUMENT# 2015-007528-0 AND AMENDED ON JUNE 29, 2015 AT DOCUMENT# 2015-013365-0 AND NOVEMBER 20, 2015 AT DOCUMENT# 2015-025243-0.

BUSH PILOT ESTATES PH. 1 (2015 - 38)



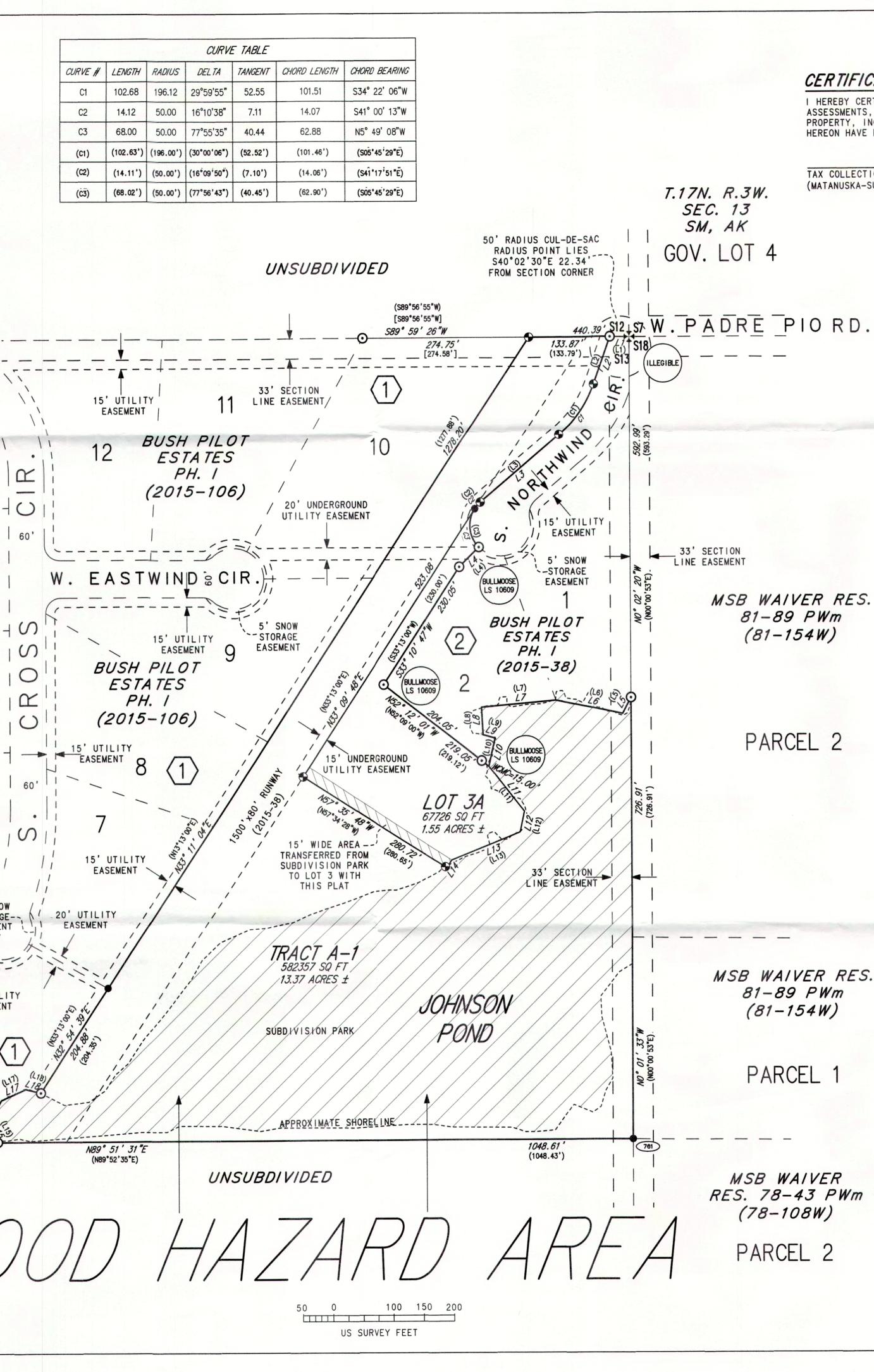
5' SNOW

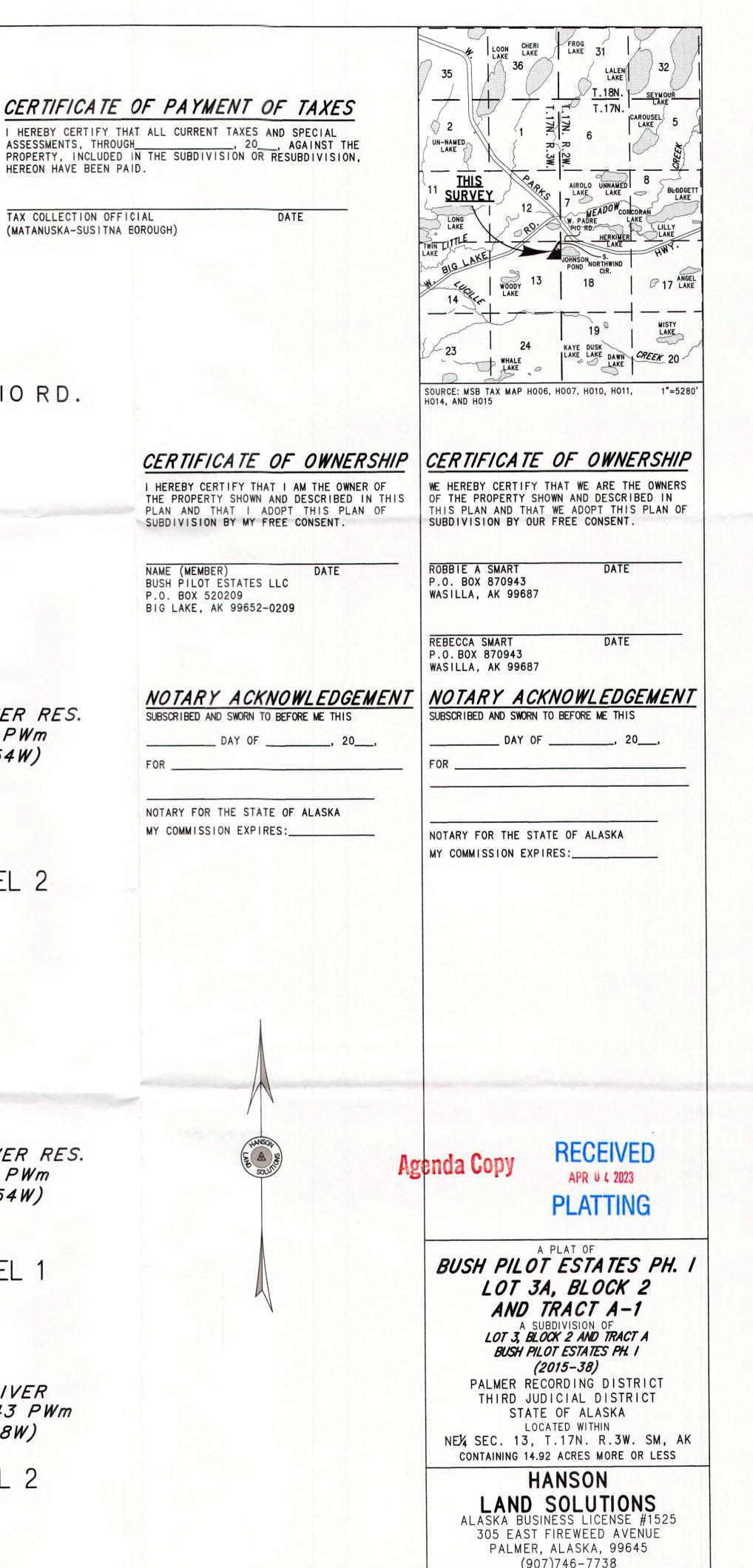
STORAGE--

15' UTILITY

EASEMENT

-1

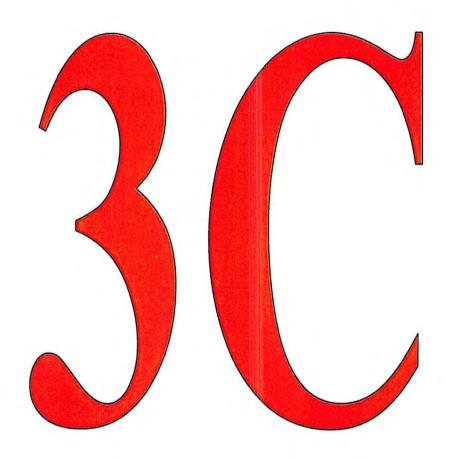




FILE: FB22-238 CK: CEH SCALE:1"=100' 09/21/22 1 OF 1

Abbreviated Plat Hearing May 3, 2023

Page 73 of 91



### STAFF REVIEW AND RECOMMENDATIONS PUBLIC HEARING MAY 3, 2023

| ABBREVIATED PLAT:   | MILLHOUSE ESTATES                          |                |
|---------------------|--|----------------|
| LEGAL DESCRIPTION:  | SEC 2 & 11, T17N, R1W, SEWARD MERIDIAN, AK |                |
| PETITIONER:         | SANDRA D. MILLHOUSE                        |                |
| SURVEYOR:           | BULL MOOSE SURVEYING                       |                |
| ACRES: 15.2         | PARCEL: 1                                  |                |
| <b>REVIEWED BY:</b> | CHRIS CURLIN                               | CASE: 2020-009 |

**REQUEST:** The request is to combine Tax Parcel D4 (Government Lot 9) in Section 2 with Tax Parcels A19 & A20 (Parcels 1 & 2, MSB Waiver 85-22-PWm, recorded as 85-108W) in Section 11 and Lot 1, Block 2 of BMB Subdivision (Plat #86-154) into one lot to be known as, **MILLHOUSE ESTATES**, containing 15.2 acres +/-. Located northwest of E. Palmer-Wasilla Highway and west of E. Myrtle Avenue, with lake frontage on Wasilla Lake, within the SE<sup>1</sup>/<sub>4</sub> Section 2 and NE<sup>1</sup>/<sub>4</sub> Section 11, Township 17 North, Range 01 West, Seward Meridian, Alaska.

#### **EXHIBITS**

| Vicinity Maps and Aerial Photos  | <b>EXHIBIT A</b> – 3 pgs |
|----------------------------------|--------------------------|
| Topographic Mapping and As-Built | <b>EXHIBIT B</b> $-1$ pg |
| Topographic Narrative            | EXHIBIT C – 1 pg         |
| AGENCY COMMENTS                  |                          |
| USACE                            | <b>EXHIBIT D</b> – 1 pg  |
| ADF&G                            | <b>EXHIBIT E</b> – 1 pg  |
| SOA DNR                          | EXHIBIT F – 1 pg         |
| ADOT&PF                          | <b>EXHIBIT G</b> – 2 pgs |
| MSB-DPW                          | EXHIBIT H – 1 pg         |
| Utilities                        | <b>EXHIBIT I</b> – 2 pgs |
|                                  |                          |

**DISCUSSION** This platting action is creating one lot from three parcels. The proposed tract will contain 15.17 acres. Access is currently from East Palmer-Wasilla Highway, an ADOT&PF owned and maintained road.

Access: This parcel has frontage on E. Palmer-Wasilla Highway, N. Betts Street, and E. Myrtle Avenue. N. Betts Street is a 60' wide public right-of-way. E. Myrtle Avenue. is a 30' wide public right-of-way. Both streets are dedicated on the plat of BMB Subdivision, Plat #86-154. There is an existing driveway onto E. Palmer-Wasilla Highway. Petitioner has applied for a driveway permit onto N. Betts street with MSB Development Services.

**Topography & As-Built**: The surveyor has submitted an as-built and topographic mapping pursuant to MSB 43.15.016(A). The as-built and topographic mapping are shown on the agenda plat.

#### Comments:

<u>USACE</u>: (Exhibit D) does not object and advises authorization may be needed from U.S. Army Corps of Engineers, Alaska District Regulatory Program if placement of fill occurs in any waters or wetlands.

<u>ADF&G</u> (Exhibit E) has no objection and advises any activities that impact the bed or banks of anadromous waters will require a permit.

<u>SOA DNR DML&W</u>: (Exhibit F) Survey Section commented that if section line easements exist within this subdivision, that they be depicted and labeled on the final plat. (recommendation #2)

<u>ADOT&PF</u>: (Exhibit G) has no objection, stated no additional access will be granted to the Palmer-Wasilla Highway, advises possibility of future Hermon road extension to Betts Street with a signal at intersection with Palmer-Wasilla Highway, and that future left turn access from Palmer-Wasilla Highway is not guaranteed.

 $\underline{MSB} - \underline{DPW}$ : (Exhibit H) noted the chicken coop shown on the Agenda Plat next to E. Myrtle Avenue will need to be removed from the public R.O.W. and adhere to setback requirements for E. Myrtle Ave.

<u>Utilities:</u> (Exhibit I) GCI has no comments. Enstar has no comments. MEA and MTA did not respond. City of Wasilla did not comment. Staff notes this property is within one mile of the City of Wasilla.

At the time of staff report write-up, there were no responses to the Request for Comments from MSB Fire Services, MSB Community Development, Emergency Services, Assessments; City of Wasilla; MTA, or MEA.

**CONCLUSION:** The proposed preliminary plat for **Millhouse Estates** is consistent with AS 29.40.070 Preliminary Plats, MSB 43.15.025 Abbreviated Plats. There were no objections to the plat from any federal or state agencies, borough departments, or utilities. There were no objections to the plat from the public in response to the Notice of Public Hearing. Legal and physical access exists to the proposed lots, consistent with MSB 43.20.100 Access Required, MSB 43.20.120 Legal Access and MSB 43.20.140 Physical Access. Frontage for the subdivision exists, pursuant to MSB 43.20.320 Frontage. A topographic narrative was submitted pursuant to MSB 43.20.281. (Exhibit C)

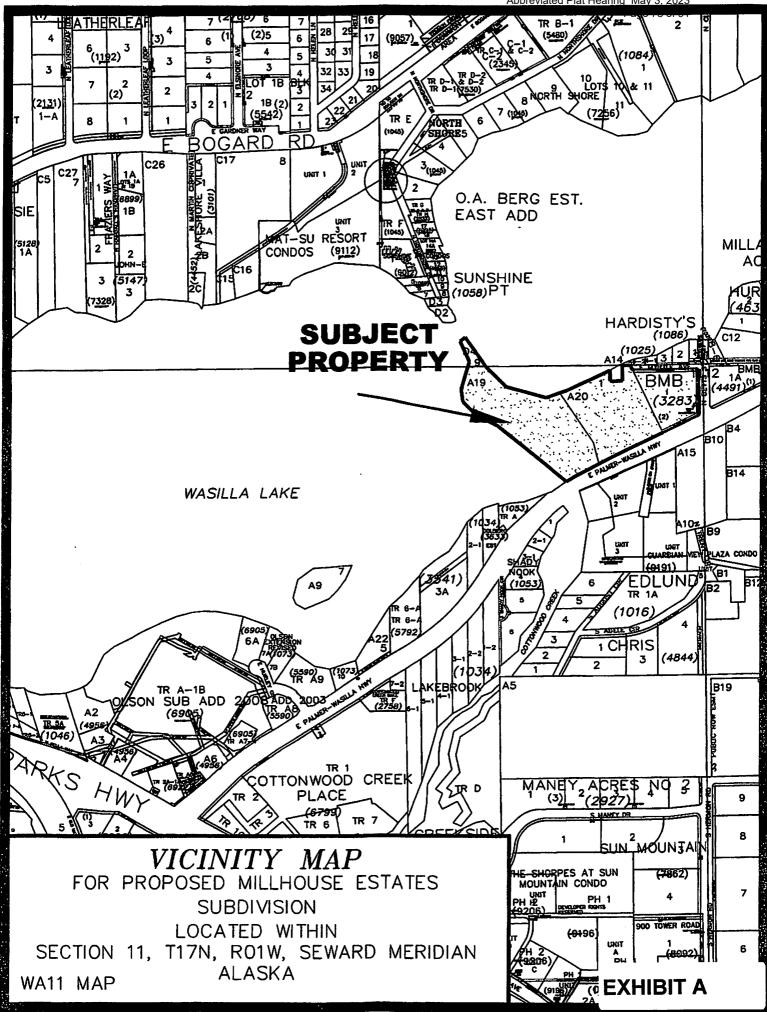
#### **FINDINGS OF FACT**

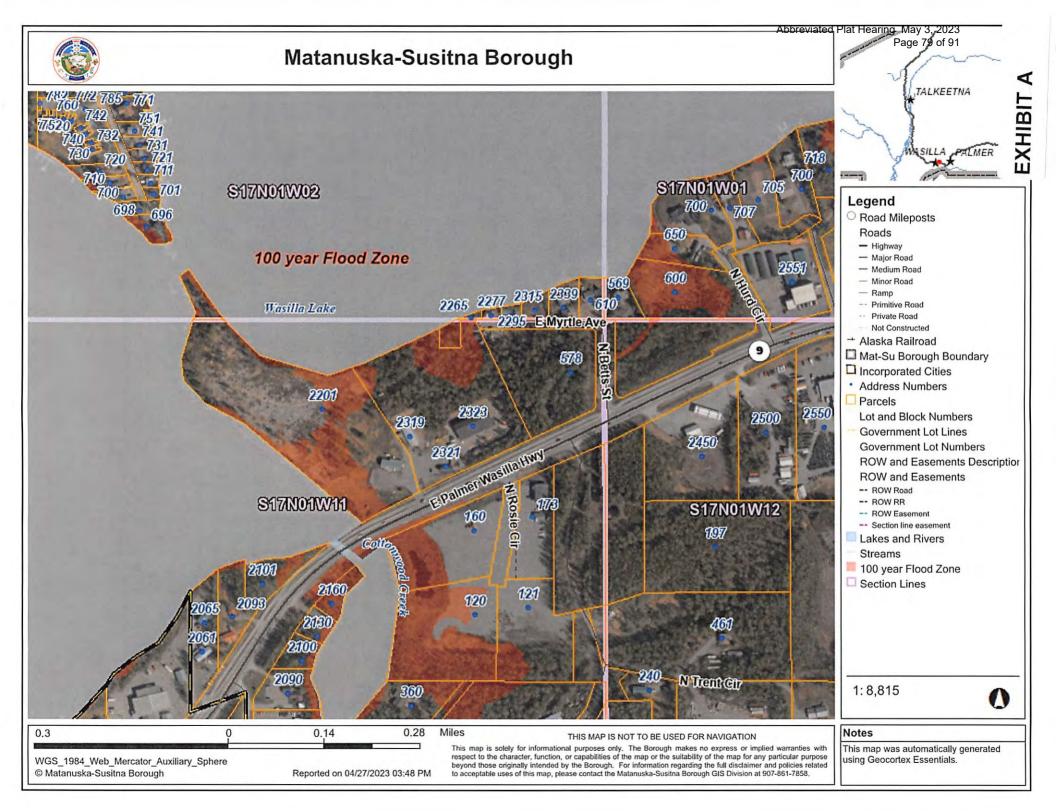
- 1. The proposed preliminary plat for **Millhouse Estates** is consistent with AS 29.40.070 Preliminary Plats, MSB 43.15.025 Abbreviated Plats.
- 2. At the time of staff report write-up, there were no responses to the Request for Comments from MSB Fire Services, MSB Community Development, Emergency Services, Assessments; City of Wasilla; MTA, or MEA.
- 3. A Soils Report was not required. A Topographic narrative was submitted per MSB 43.20.281
- 4. There are no section line easements on this property.
- 5. A driveway permit application for N. Betts street is on file.
- 6. At the time this staff report was written there were no objections from any borough departments, outside agencies, or the public.
- 7. Access exists pursuant to MSB 43.20.320 Frontage, MSB 43.20.120 Legal Access, and 43.20.140 Physical Access.

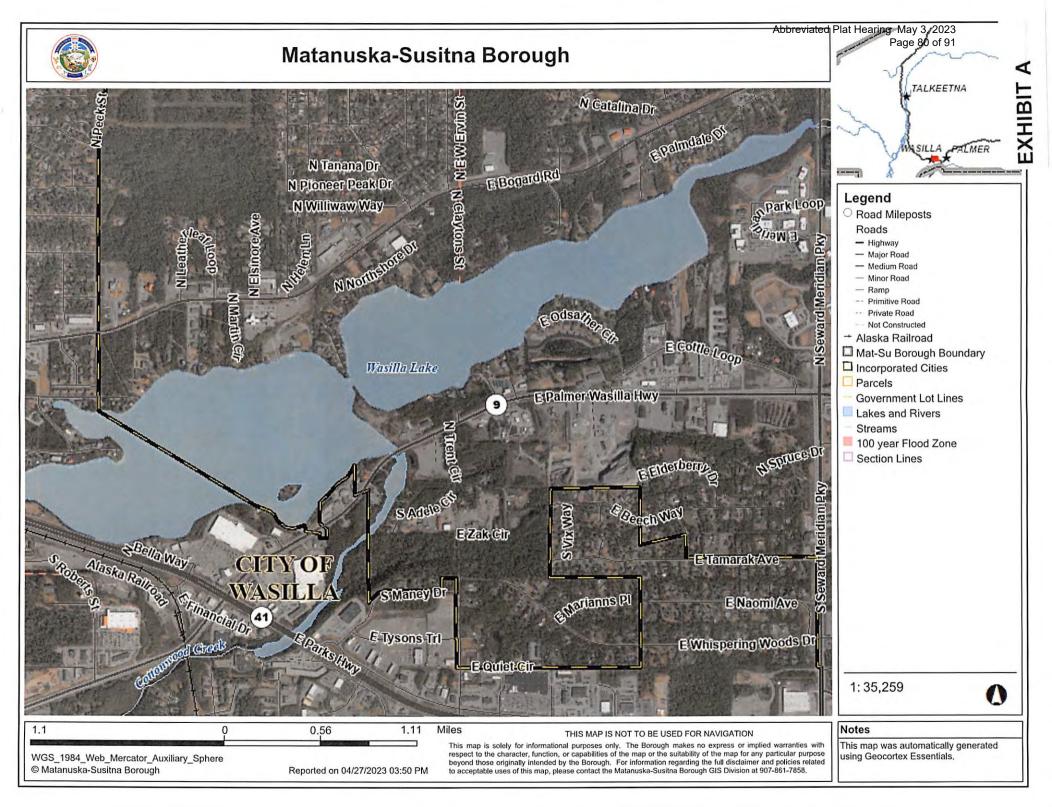
#### <u>RECOMMENDATIONS OF CONDITIONS OF APPROVAL</u> for the abbreviated plat of Millhouse Estates, Section 11, Township 17 North, Range 01 West, Seward Meridian, Alaska, contingent on staff recommendations:

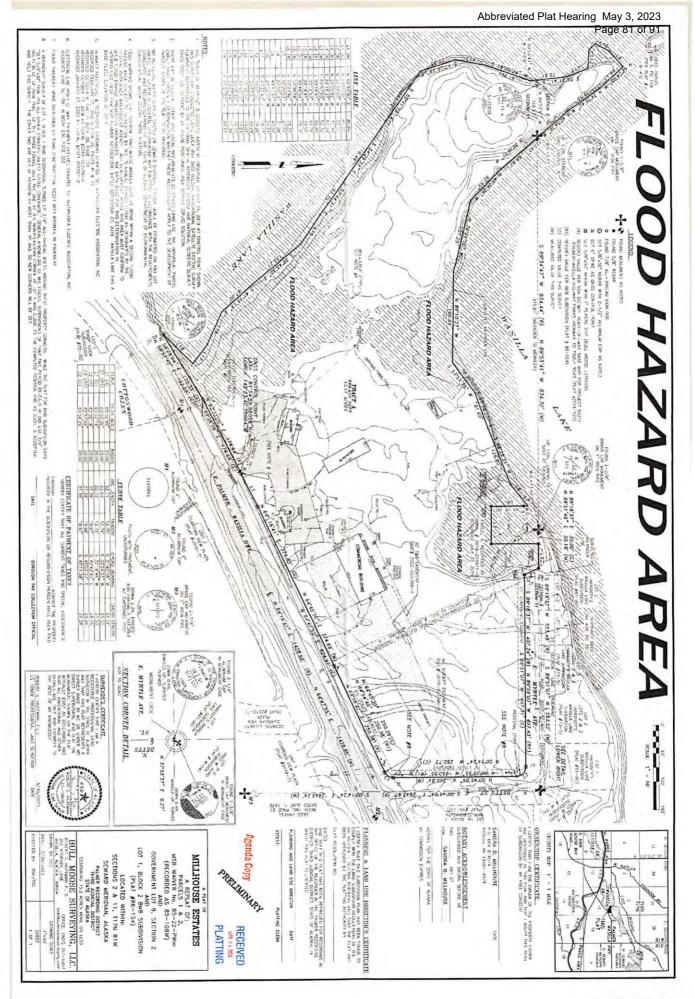
- 1. Pay mailing and advertising fee.
- 2. Show or list all easements of record on the final plat.
- 3. Provide copies of all driveway permits or applications for permits.
- 4. Remove chicken coop from R.O.W. and adhere to setback requirements for E. Myrtle Avenue.
- Provide updated Certificate to Plat executed within 7 days of plat recordation per MSB 43.15.053(E) and submit Beneficiary Acknowledgement, if applicable.
- Taxes and special assessments must be paid in full through the year of recording, per MSB 43.15.053(F) and AS 40.15.020. Pay taxes and special assessments (LIDs) by certified funds or cash.
- 7. Submit recording fees; payable to DNR.
- 8. Submit final plat in full compliance with Title 43.

Abbreviated Plat Hearing May 3, 2023









# EXHIBIT B

### **Bull Moose Surveying LLC**

Robert S. Hoffman, P.L.S. 200 E. Hygrade Lane Wasilla, Alaska 99654 Phone 907.357.6957 Email: bob@bullmoosesurveying.com



4/4/2023

TO: Fred Wagner, Platting Officer RE: Topographic narrative for proposed Millhouse Estates

Dear Mr. Wagner:

The proposed subdivision is approximately 15.2 acres in area. It is bounded by the East Palmer-Wasilla Highway to the south and Wasilla Lake to the north and west. The ground is generally flat and slopes upward from the road and lake to the northwestern corner, which is the highest ground. Elevations vary from 330' to 344' with a portion of the property in a flood hazard area (elevation 331.8'). There are three septic systems on the property and there is over 400,000 square feet of usable area for septic on the property.

Sincerely,

Robert Hoffman P.L.S.

# EXHIBIT C

| From:    |
|----------|
| Sent:    |
| To:      |
| Subject: |

Pagemaster, Reg POA <regpagemaster@usace.army.mil> Friday, April 7, 2023 11:22 AM Jesse Curlin RE: RFC Millhouse Estates # 20-009

# [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.]

Good Morning,

Please be advised that if there are waters of the U.S., including wetlands, on the parcel and you are conducting activities that would result in placement of fill into those waters, you may need authorization from the U.S. Army Corps Engineers, Alaska District Regulatory program. Placement of fill includes direct dumping, side casting and mechanized land clearing if material is pushed into or through waters of the U.S. This is not a jurisdictional determination, just advisory in nature.

If you would like more information about the program, please visit our website at: <u>https://www.poa.usace.army.mil/Missions/Regulatory/</u>.

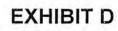
Very Respectfully,

Rania Corn Administrative Support Assistant U.S. Army Corps of Engineers, Regulatory Division P.O. Box 6896 JBER, AK 99506 (907) 753-5721

#### From: Jesse Curlin < Jesse.Curlin@matsugov.us>

Sent: Thursday, April 6, 2023 1:12 PM

To: Kristina Huling <kristina.huling@alaska.gov>; David Post <david.post@alaska.gov>; kyler.hylton@alaska.gov; george.horton@alaska.gov; james.walker2@alaska.gov; colton.percy@alaska.gov; sarah.myers@alaska.gov; Pagemaster, Reg POA <regpagemaster@usace.army.mil>; pamela.j.melchert@usps.gov; planning@ci.wasilla.ak.us; publicworks@ci.wasilla.ak.us; davemtp@mtaonline.net; hessmer@mtaonline.net; andrew.fraiser@enstarnaturalgas.com; james.christopher@enstarnaturalgas.com; row@enstarnaturalgas.com; ospdesign@gci.com; mearow@mea.coop; row@mtasolutions.com; robyundtmsb@gmail.com; Alex Strawn <Alex.Strawn@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; Brad Sworts <Brad.Sworts@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Collections <Collections@matsugov.us>; Daniel Dahms <Daniel.Dahms@matsugov.us>; Fied Wagner <Frederic.Wagner@matsugov.us>; Jamie Taylor <Jamie.Taylor@matsugov.us>; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; Tammy Simmons <Tammy.Simmons@matsugov.us>; Theresa Taranto <Theresa.Taranto@matsugov.us>; Tom Adams <Tom.Adams@matsugov.us> Subject: [URL Verdict: Neutral][Non-DoD Source] RFC Millhouse Estates # 20-009





| From:    |
|----------|
| Sent:    |
| To:      |
| Subject: |

Hoden, George D (DFG) <george.hoden@alaska.gov> Thursday, April 6, 2023 3:06 PM Jesse Curlin RE: RFC Millhouse Estates # 20-009

## [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.]

Hi Chris,

I am providing these comments on behalf of the Alaska Department of Fish and Game, Habitat Section, Palmer office. The Habitat Section has no objection to the proposed platting action. Please be advised that Wasilla Lake (AWC Code: 247-50-10300-0010) is cataloged by the Department of Fish and Game as an anadromous water body and supports habitat important for the spawning, rearing, or migration of anadromous fish. Any activities that impact the bed or banks of cataloged anadromous water bodies will require a permit from the Habitat Section in accordance with the Anadromous Fish Act at AS 16.05.871. This includes but is not limited to some common applications such as water withdrawals, docks, or revetments. Fish Habitat Permit applications can be found online at: <a href="https://www.adfg.alaska.gov/static/license/uselicense/pdfs/fhpermitapp.pdf">https://www.adfg.alaska.gov/static/license/uselicense/pdfs/fhpermitapp.pdf</a>

Respectfully, George



George Hoden Habitat Biologist Alaska Department of Fish & Game Habitat Section 1801 S. Margaret Dr. Suite 6, Palmer, AK 99645 Office: (907) 861-3200 | Direct: (907) 861-3203

From: Myers, Sarah E E (DFG) <sarah.myers@alaska.gov> Sent: Thursday, April 6, 2023 1:29 PM To: Hoden, George D (DFG) <george.hoden@alaska.gov> Subject: FW: RFC Millhouse Estates # 20-009

Hi George,

Can you please review?

Thanks!

Sincerely,

#### Sarah E. E. (Wilber) Myers

Habitat Biologist IV, Mat-Su Area Manager ADF&G Habitat Section, Palmer Office Office: 907-861-3206 Fax: 907-861-3232 \*ADF&G Habitat Section Permits Link\*

# EXHIBIT E

| Horton, George C (DNR) <george.horton@alaska.gov></george.horton@alaska.gov> |
|--|
| Monday, April 10, 2023 3:10 PM   |
| Jesse Curlin   |
| RE: RFC Millhouse Estates # 20-009   |
|  |

#### [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.]

Hi Jesse,

If section-line easements exist within the proposed Tract A the DNR, DML&W Survey Section requests they be depicted and labeled on the final plat.

Thank you for the opportunity to comment. Regards,

George Horton, PLS, CFedS

Land Surveyor I DNR, DML&W, Survey Section 550 W. 7<sup>th</sup> AVE; Suite 650 Anchorage, Alaska 99501 (907) 269-8610 http://dnr.alaska.gov/mlw/survey/

"It's a dangerous business going out of your door. You step into the Road, and if you don't keep your feet, there is no knowing where you might be swept off to." Bilbo Baggins

From: Jesse Curlin < Jesse.Curlin@matsugov.us>

Sent: Thursday, April 6, 2023 1:12 PM

To: Huling, Kristina N (DOT) <kristina.huling@alaska.gov>; Post, David E (DOT) <david.post@alaska.gov>; Hylton, Kyler (DOT) <kyler.hylton@alaska.gov>; Horton, George C (DNR) <george.horton@alaska.gov>; Walker, James H (DNR) <james.walker2@alaska.gov>; Percy, Colton T (DFG) <colton.percy@alaska.gov>; Myers, Sarah E E (DFG) <sarah.myers@alaska.gov>; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; planning@ci.wasilla.ak.us; publicworks@ci.wasilla.ak.us; davemtp@mtaonline.net; hessmer@mtaonline.net;

andrew.fraiser@enstarnaturalgas.com; james.christopher@enstarnaturalgas.com; row@enstarnaturalgas.com; ospdesign@gci.com; mearow@mea.coop; row@mtasolutions.com; robyundtmsb@gmail.com; Alex Strawn <Alex.Strawn@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; Brad Sworts <brad.sworts@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Collections <Collections@matsugov.us>; Daniel Dahms <Daniel.Dahms@matsugov.us>; Elaine Flagg <Elaine.Flagg@matsugov.us>; Eric Phillips <Eric.Phillips@matsugov.us>; Fire Code <Fire.Code@matsugov.us>; Fred Wagner <Frederic.Wagner@matsugov.us>; Jamie Taylor <jamie.taylor@matsugov.us>; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; Marcia vonEhr <Marcia.vonEhr@matsugov.us>; Margie Cobb <Margie.Cobb@matsugov.us>; Tammy Simmons <Tammy.Simmons@matsugov.us>; Theresa Taranto <Theresa.Taranto@matsugov.us>; Tom Adams <Tom.Adams@matsugov.us> Subject: RFC Millhouse Estates # 20-009

**CAUTION:** This email originated from outside the State of Alaska mail system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

The following link contains a Request for Comments to combine 17N01W02D004, 17N01W11A019, 17N01W11A020, and 3283B02L001.



Abbreviated Plat Hearing May 3, 2023 Page 86 of 91





Department of Transportation and Public Facilities

> Program Development and Statewide Planning Anchorage Field Office

> > 4111 Aviation Avenue P.O. Box 196900 Anchorage, AK 99519-6900 Main number: 907-269-0520 Fax number: 907-269-0521 Website: dot.alaska.gov

> > > EXHIBIT G

April 14, 2023

Fred Wagner, Platting Officer Matanuska-Susitna Borough 350 East Dahlia Avenue Palmer, Alaska 99645

[Sent Electronically]

Re: Plat Review

Dear Mr. Wagner:

The Alaska Department of Transportation and Public Facilities (DOT&PF) Central Region has reviewed the following plats and have the following comments:

#### • Plat #2014-11, WA 12 Hacker, Parks Highway

- No objection to the proposed plat.
- No direct access to the Parks Highway will be granted. All proposed lots must take access from McCallister Dr.
- DOT&PF recommends the Mat-Su Borough consider through road development goals in the area of Seims Street between the Parks Highway, Coghlan Circle and McCallister Dr.
- DOT&PF requests applicant doesn't develop anything that precludes a future connection of Seims Street between the Parks Highway and McCallister Dr.

#### • Plat #74-62, WA 12 Griggs, Parks Highway

- No objection to the proposed plat.
- Access to the north lot must be taken from Airway Circle and access to the south lot must be taken from Commercial Drive.
- o No direct access from the south lot to the Parks Highway.

#### Plat #86-154, WA 11 Millhouse, Palmer-Wasilla Highway

- No objection to the proposed lot consolidation.
- o No additional access to the Palmer-Wasilla Highway will be permitted.
- Please be advised that DOT&PF has a project developing Hermon Road Extension from the Parks Highway to the Palmer-Wasilla Highway. Project improvements anticipate realigning Betts Street and placing a signal at the Palmer-Wasilla Highway and Betts

"Keep Alaska Moving through service and infrastructure."

Street. More information about the project can be found at https://www.hermonroadextension.com/.

- Please be aware of potential DOT&PF Right-of-Way needs as Hermon Road Extension and its signal are developed.
- DOT&PF advises that left turn access on the Palmer-Wasilla Highway is not guaranteed in the future. DOT&PF recommends prioritizing further access development at Myrtle Avenue due to the Betts Street traffic light.

All properties accessing DOT&PF roads must apply to Right of Way for a driveway permit and/or approach road review, subject to provisions listed in 17 AAC 10.020. Any previously issued access permits become invalid once the property undergoes a platting action and must be reissued.

We recommend the petitioner verify all section line easements and DOT&PF road rights-of-way adjacent to their property. For assistance, the petitioner may contact the Engineering group within the Right of Way section in DOT&PF at (907) 269-0700. The petitioner is liable to remove any improvements within the easements and rights-of-way that impede the operation and maintenance of those facilities even if they are not shown on the plat, so it is in the petitioner's best interest to identify the exact locations and widths of any such easements or rights-of-way before they improve the property.

If any section line easements or road rights-of-way exist within the bounds of their plat, we recommend the petitioner dedicate them. If there is an existing right-of-way or easement, the petitioner is unable to develop that portion of the property yet continues to pay property taxes on it; dedicating will remove that cost to the petitioner.

If there are any questions regarding these comments please feel free to contact me at (907) 269-0509 or kristina.huling@alaska.gov.

Sincerely,

Kristina Huling Mat-Su Area Planner, DOT&PF

 cc: Scott Thomas, P.E., Regional Traffic Engineer, Traffic Safety and Utilities, DOT&PF Jacob Ciufo, P.E., Regional Hydrologist, DOT&PF Sean Baski, Chief, Highway Design, DOT&PF Matt Walsh, Property Management Supervisor, Right of Way, DOT&PF Devki Rearden, Engineering Associate, DOT&PF Morris Beckwith, Right of Way, DOT&PF Brad Sworts, Pre-Design & Engineering Div. Manager, MSB

# EXHIBIT G

From: Sent: To: Cc: Subject: Daniel Dahms Wednesday, April 12, 2023 11:34 AM Jesse Curlin Jamie Taylor; Tammy Simmons; Brad Sworts RE: RFC Millhouse Estates # 20-009

#### Chris,

Chicken Coup shown on Agenda Plat next to Myrtle Avenue will need to be removed from the Public ROW and adhere to setback requirements from Myrtle Ave.

Daniel Dahms Department of Public Works Pre-Design and Engineering Division

From: Jesse Curlin < Jesse.Curlin@matsugov.us> Sent: Thursday, April 6, 2023 1:12 PM To: Kristina Huling <kristina.huling@alaska.gov>; David Post <david.post@alaska.gov>; kyler.hylton@alaska.gov; george.horton@alaska.gov; james.walker2@alaska.gov; colton.percy@alaska.gov; sarah.myers@alaska.gov; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; planning@ci.wasilla.ak.us; publicworks@ci.wasilla.ak.us; davemtp@mtaonline.net; hessmer@mtaonline.net; andrew.fraiser@enstarnaturalgas.com; james.christopher@enstarnaturalgas.com; row@enstarnaturalgas.com; ospdesign@gci.com; mearow@mea.coop; row@mtasolutions.com; robyundtmsb@gmail.com; Alex Strawn <Alex.Strawn@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; Brad Sworts <Brad.Sworts@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Collections <Collections@matsugov.us>; Daniel Dahms <Daniel.Dahms@matsugov.us>; Elaine Flagg <Elaine.Flagg@matsugov.us>; Eric Phillips <Eric.Phillips@matsugov.us>; Fire Code <Fire.Code@matsugov.us>; Fred Wagner <Frederic.Wagner@matsugov.us>; Jamie Taylor <Jamie.Taylor@matsugov.us>; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; Marcia vonEhr <Marcia.vonEhr@matsugov.us>; Margie Cobb <Margie.Cobb@matsugov.us>; Tammy Simmons <Tammy.Simmons@matsugov.us>; Theresa Taranto <Theresa.Taranto@matsugov.us>; Tom Adams <Tom.Adams@matsugov.us> Subject: RFC Millhouse Estates # 20-009

The following link contains a Request for Comments to combine 17N01W02D004, 17N01W11A019, 17N01W11A020, and 3283B02L001. Comments are due by April 17, 2023. Please let me know if you have any questions.

#### WA 11 MILLHOUSE

Sincerely,

Chris Curlin Platting Technician Matanuska-Susitna Borough (909) 861-7873

# EXHIBIT H

From: Sent: To: Cc: Subject: Attachments: OSP Design Group <ospdesign@gci.com> Monday, April 17, 2023 5:14 PM Jesse Curlin OSP Design Group RE: RFC Millhouse Estates # 20-009 RFC Packet.pdf; Agenda Plat.PDF

# [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.] Jesse,

In review GCI has no comments or objections to the plat, attached is the signed plat for your records.

Thanks, MIREYA ARMESTO GCI | Technician II, GIS Mapping m: 907-744-5166 | w: <u>www.gci.com</u>

#### From: Jesse Curlin < Jesse.Curlin@matsugov.us>

Sent: Thursday, April 6, 2023 1:12 PM

To: Kristina Huling <kristina.huling@alaska.gov>; David Post <david.post@alaska.gov>; kyler.hylton@alaska.gov; george.horton@alaska.gov; james.walker2@alaska.gov; colton.percy@alaska.gov; sarah.myers@alaska.gov; regpagemaster@usace.army.mil; pamela.j.melchert@usps.gov; planning@ci.wasilla.ak.us; publicworks@ci.wasilla.ak.us; davemtp@mtaonline.net; hessmer@mtaonline.net; andrew.fraiser@enstarnaturalgas.com; james.christopher@enstarnaturalgas.com; row@enstarnaturalgas.com; OSP Design Group <ospdesign@gci.com>; mearow@mea.coop; row@mtasolutions.com; robyundtmsb@gmail.com; Alex Strawn <Alex.Strawn@matsugov.us>; Andy Dean <Andy.Dean@matsugov.us>; Brad Sworts <Brad.Sworts@matsugov.us>; Charlyn Spannagel <Charlyn.Spannagel@matsugov.us>; Collections <Collections@matsugov.us>; Daniel Dahms <Daniel.Dahms@matsugov.us>; Islaine Flagg <Elaine.Flagg@matsugov.us>; Jamie Taylor <Jamie.Taylor@matsugov.us>; John Aschenbrenner <John.Aschenbrenner@matsugov.us>; Katrina Kline <katrina.kline@matsugov.us>; Tammy Simmons <Tammy.Simmons@matsugov.us>; Theresa Taranto <Theresa.Taranto@matsugov.us>; Tom Adams <Tom.Adams@matsugov.us> Subject: RFC Millhouse Estates # 20-009

#### [EXTERNAL EMAIL - CAUTION: Do not open unexpected attachments or links.]

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Comments are due by April 17, 2023. Please let me know if you have any questions.

WA 11 MILLHOUSE

Sincerely,

Chris Curlin

**EXHIBIT I** 



ENSTAR Natural Gas Company A DIVISION OF SEMCO ENERGY Engineering Department, Right of Way Section 401 E. International Airport Road P. O. Box 190288 Anchorage, Alaska 99519-0288 (907) 277-5551 FAX (907) 334-7798

April 6, 2023

Matanuska-Susitna Borough, Platting Division 350 East Dahlia Avenue Palmer, AK 99645-6488

To whom it may concern:

ENSTAR Natural Gas Company has reviewed the following abbreviated plat and has no comments or recommendations.

#### • MILLHOUSE ESTATES (MSB Case # 2020-009)

If you have any questions, please feel free to contact me at 334-7944 or by email at james.christopher@enstarnaturalgas.com.

Sincerely,

James Christopher

James Christopher Right of Way & Compliance Technician ENSTAR Natural Gas Company

# EXHIBIT I

