

MATANUSKA-SUSITNA BOROUGH WATER & WASTEWATER ADVISORY BOARD

Bob Walden, Chair
Terry Gorlick
Dan Tucker

Danny Noland, Vice Chair
Gina Jorgensen

Amanda Fleming
Matthew Midgett

AGENDA

REGULAR MEETING

March 19, 2025

MSB Assembly Chambers
350 E. Dahlia Ave
Palmer, AK 99645

2:30 p.m.

-
- I. CALL TO ORDER
 - II. ROLL CALL AND DETERMINATION OF A QUORUM
 - III. APPROVAL OF AGENDA
 - IV. PLEDGE OF ALLEGIANCE
 - V. APPROVAL OF MINUTES OF PRECEDING MEETING
 - A. December 11, 2024 (regular meeting)
 - VI. AGENCY AND STAFF REPORTS
 - VII. PRESENTATION
 - A. Presenter: None
 - B. Topic: None
 - VIII. AUDIENCE PARTICIPATION (*Three minutes per person*)
 - IX. UNFINISHED BUSINESS
 - A. Review minutes of the March 11, 2025, Assembly Meeting concerning the Water Setback Advisory Board's proposed changes
 - X. NEW BUSINESS
 - XI. COMMENTS FROM THE BOARD
 - XII. NEXT MEETING
 - A. June 18, 2025, 2:30 p.m., Have HDL give an update on Water Inner connect.
 - XIII. ADJOURNMENT

MATANUSKA-SUSITNA BOROUGH WATER & WASTEWATER ADVISORY BOARD

Bob Walden, Chair
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Dan Tucker

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Amanda Fleming
Matthew Midgett

MINUTES

REGULAR MEETING

December 11, 2024

MSB Assembly Chambers
350 E. Dahlia Ave
Palmer, AK 99645

2:30 p.m.

I. CALL TO ORDER

This regular meeting of the Matanuska-Susitna Borough (MSB) Water and Wastewater Advisory Board was held on Wednesday, December 11, 2024, at the DSJ Building at 350 East Dahlia Avenue in Palmer, Alaska. The meeting was called to order at 2:34 p.m. by Mr. Bob Walden, P.E.

II. ROLL CALL AND DETERMINATION OF A QUORUM

Water and Wastewater Advisory Board members present and establishing a quorum were:

Mr. Bob Walden - present

Mr. Danny Noland - present

Ms. Amanda Fleming - present

Mr. Terry Gorlick - present

Ms. Gina Jorgensen – not present

Mr. Matthew Midgett - present

Mr. Dan Tucker – not present

III. APPROVAL OF AGENDA

Motion to adopt the agenda, by Mr. Gorlick with adding the handout “Resolution of the Matanuska -Susitna Borough Serial No. 02-060” to the Agenda under Informational Handouts and Communications XII.

VOTE: No objections. The agenda was approved with the addition of the handout noted.

IV. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Mr. Walden.

VI. APPROVAL OF MINUTES OF PRECEDING MEETING

A. June 12, 2024 (regular meeting)

Minutes for the June 12, 2024 (regular meeting) were reviewed by the Board.

Motion to approve the minutes as presented, by Ms. Fleming.

VOTE: The minutes were approved without objection.

VII. AGENCY AND STAFF REPORTS

A. City of Wasilla – Mr. Bob Walden, P.E., Public Works Deputy Director

The City of Wasilla (COW) is still going through the process for an update on the wastewater treatment discharge permit. The City is also working on a possible wetland discharge permit change.

B. City of Palmer – Mr. Matthew Midgett

The City of Palmer (COP) has no updates. They are still working on the booster station which should be online May 2025.

C. Matanuska-Susitna Borough – Ms. Amanda Fleming

Ms. Amanda Fleming commented on Talkeetna Sewer and Water. Received results back from a test location on the eastside of Talkeetna with arsenic levels below maximum contaminate level. Request for Proposal will go out for pursuing design for water treatment and water storage at this location.

Will be doing a water condition assessment study in May 2025 for the distribution system through Steph Engineering.

VIII. PRESENTATION

Mr. Bob Walden provided a presentation on the Palmer/Wasilla Water Connection Study.

The MSB initiated the idea for the COP's and the COW's water system to interconnect to improve resilience. The idea evolved after the 2018 earthquake when many public and private wells got damaged.

There are two alternatives to connect the two cities. Alternative 1 would be a connection on Bogard Road where the natural geological surroundings are beneficial for the construction and waterflow. Alternative 2, located south of the COW, would include more mechanical solutions since it comes in at the end of pressure zone 5 and would need to be boosted up into pressure zone 4. Since it is a shorter distance, it would be a less expensive alternative.

Please see attached presentation slides for additional information. On request, an audio version is available as well.

IX. AUDIENCE PARTICIPATION (*Three minutes per person*)

None.

X. UNFINISHED BUSINESS

A. Update on water quality monitoring

Upon recommendation of the MSB Manager, Mr. Terry Gorlick requested Mr. Andrew Strahler's, Project Manager with the Public Works Department of the MSB, assistance with this project. A similar project had been worked on in 2002; Volunteer

Water Quality Monitoring Program, Resolution 02-060. Mr. Gorlick informed the Board, after inquiring with State and Federal granting agencies, of the availability of funding that can be applied for. According to Mr. Gorlick's estimation \$150,000 to \$200,000 will be needed, providing that testing instruments would be donated. Mr. Strahler and Mr. Gorlick will begin drafting a Scope of Work.

B. Update on COP's new booster station construction

Planning on having water running in May 2025. The MSB is forecasting water will be running to Colony Middle School and Colony High School in 2026. This or next year water will be running from the COP, along the Trunk Road.

C. Update on Talkeetna Sewer and Water additional improvements

Updates given under Staff Reports, Agenda Item VII C.

D. Update on COW expansion of their WWTP facilities

Updates given under Presentation, Agenda Item VIII, with the following additions mentioned under Agenda Item X A.

The goal is to get back into compliance with our permitting and to be accepted to go from 400,000 gallons per day to 500,000 gallons per day. New septage and headwater facility will be another upcoming project.

Wetland issues became easier to navigate, due to new laws within the last two years.

XI. NEW BUSINESS

A. Presentation about the Setback ruling (MSB 17.55 – Setback and Screening Easements) (if the legislation is being passed by the Assembly – Agenda date unclear at this point)

XII. INFORMATIONAL HANDOUTS AND COMMUNICATIONS

A. Resolution of the Matanuska -Susitna Borough Serial No. 02-060.

Commented during Agenda Item X A.

XIII. COMMENTS FROM THE BOARD

Mr. Bob Walden: Happy Holidays.

Mr. Danny Noland: No comments.

Ms. Amanda Fleming: Congratulation to the Palmer/Wasilla Water Connection Study. Out of own experience it works very well and will be beneficial to the community.

Mr. Terry Gorlick: Happy Holidays. New administration, new funding availabilities, stay close to representatives.

Ms. Gina Jorgensen: Not present.

Mr. Matthew Midgett: No comments.

Mr. Dan Tucker: Not present.

XIV. NEXT MEETING

A. March 19, 2024, 2:30 p.m., MSB Assembly Chambers

XV. ADJOURNMENT

Motion to adjourn the meeting, by Mr. Bob Walden.

The meeting was adjourned at 3.09 p.m.

Mr. Bob Walden, Chair

ATTESTED:

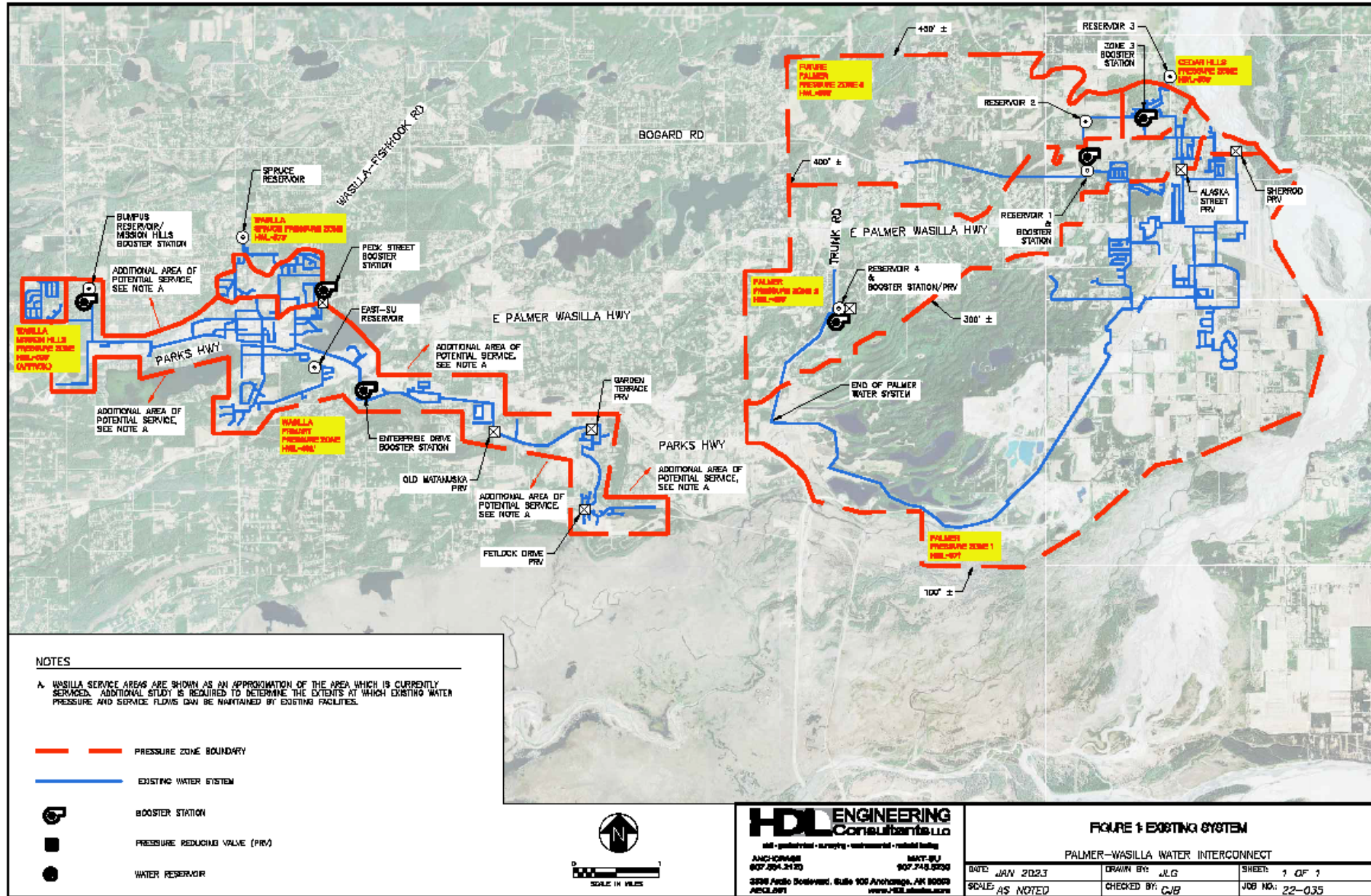
Christina Sands, Board Administrative Support

DRAFT

Palmer-Wasilla Water System Interconnect

Initiated in January-February 2023 by MSB

- Grant funds through the MSB from the American Rescue Plan past Assembly 3-7-23. \$1,924,468 design & construction \$2,142,045.
- City of Wasilla accepted and appropriated the monies and a RFP was issued in July and reviewed in August and awarded to HDL/Tutka LLC through council early September to continue the design connection & construct the Old Matanuska Road Booster Station.
- Meetings and evaluations in October and November has led us toward instead of the booster station leaning towards another water tower construction that would benefit the lower connection option.
- Continuing to model through the winter.
- Design/build water tower 2025 summer.



COW and COP services

- CITY OF WASILLA

Water connection 1,750; 600,000 GPD

Wells 6ea for total production 2,200GPM

4 Reservoirs totaling 4 million gallons

487 Hydrants

2 booster stations

With 3 other wells needing treatment could bring online an additional 1,000GPM.

- CITY OF PALMER

Water connections 2,450; 900,000 GPD

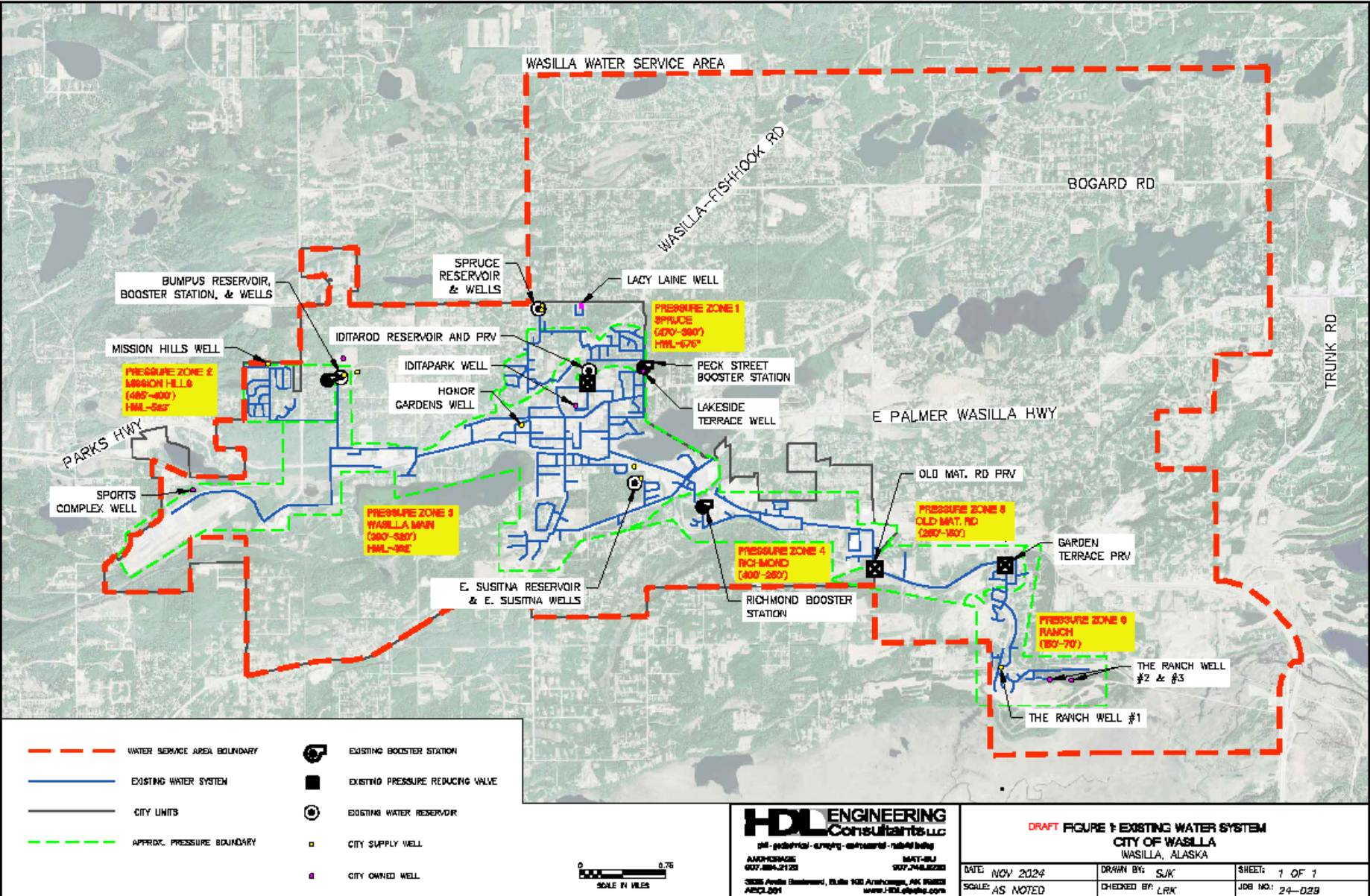
Wells 3ea total production of over 3,000GPM

4 Reservoirs totaling 2.5 million gallons

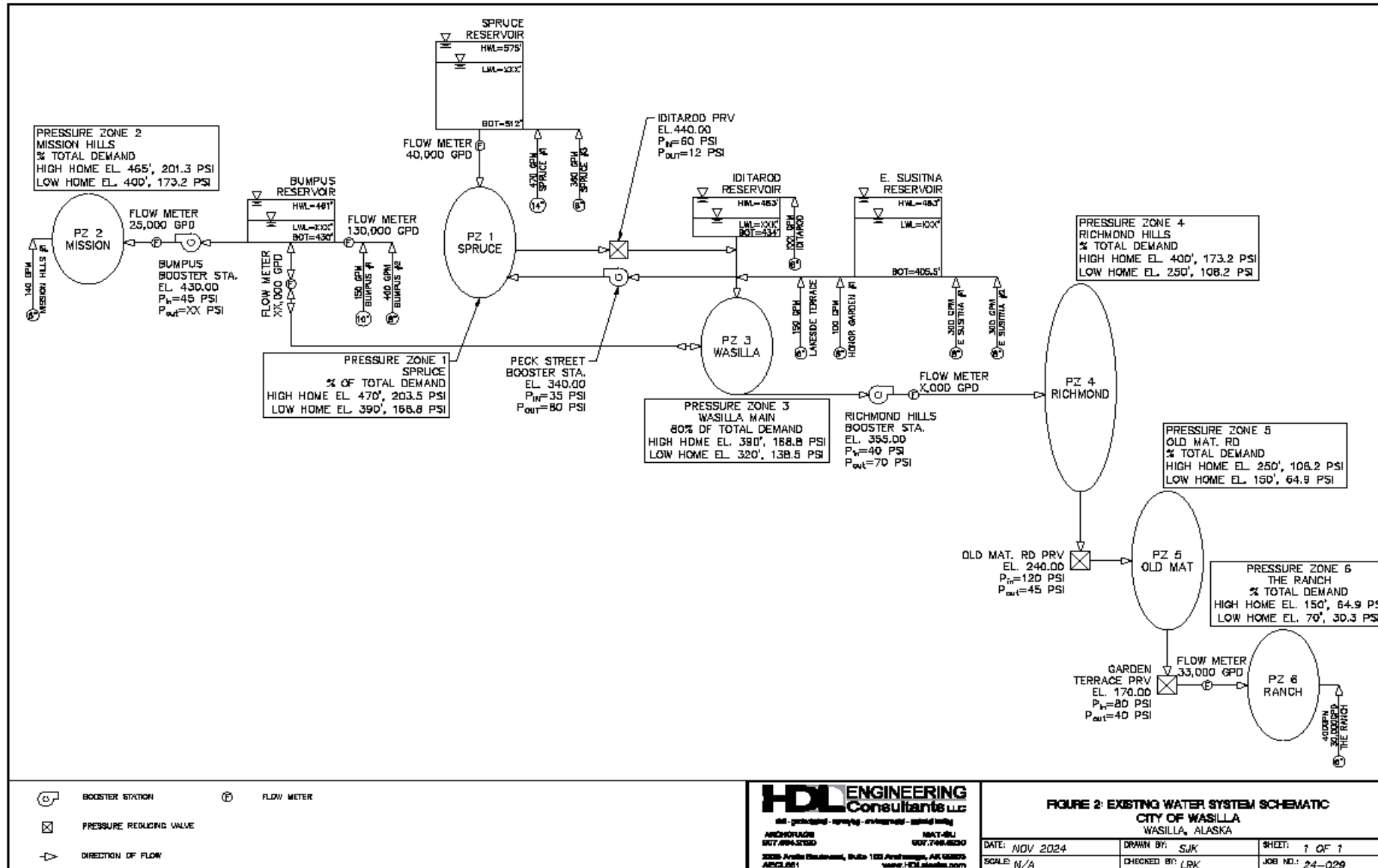
453 Hydrants

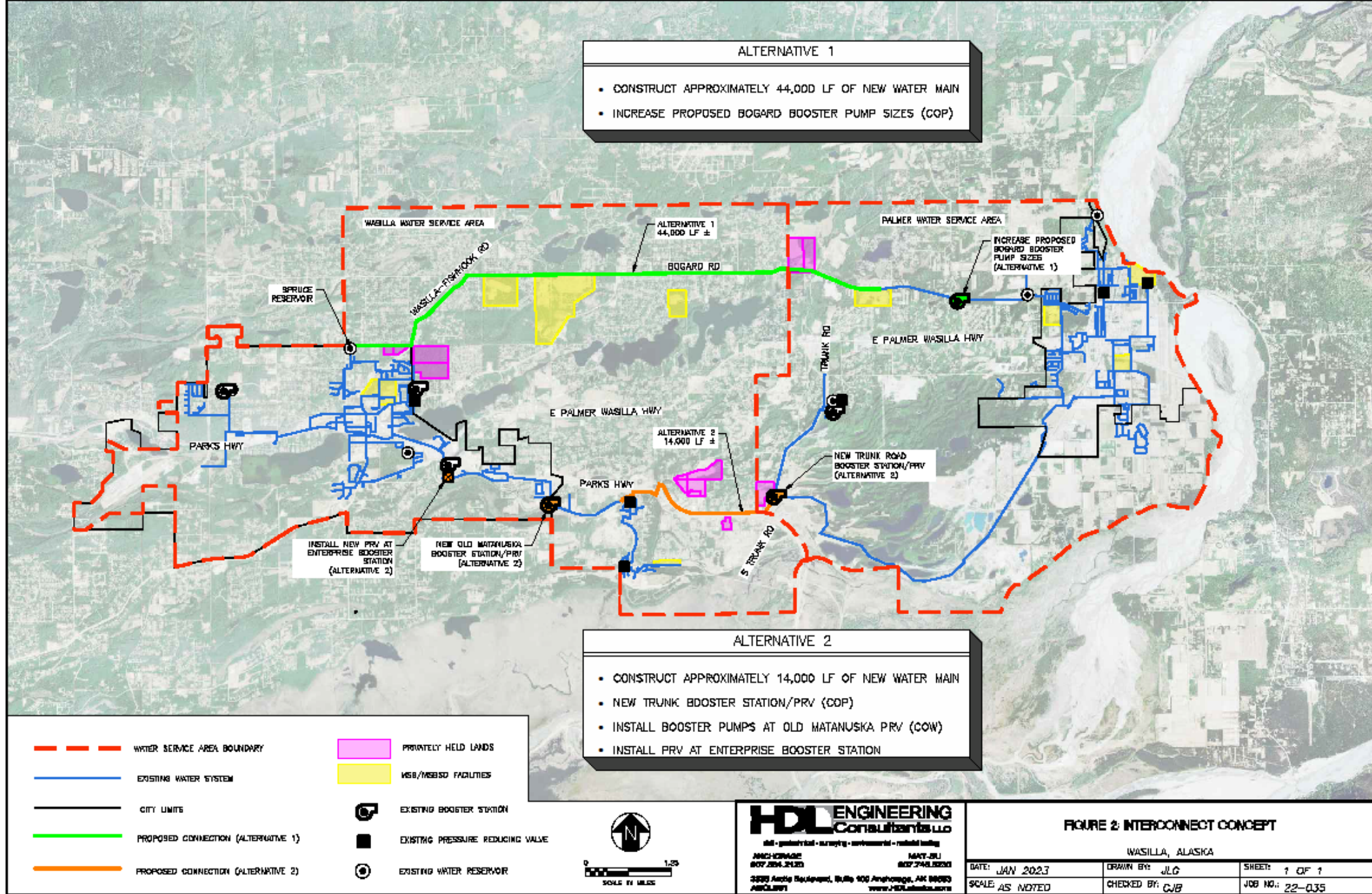
2 booster stations

COW Existing system w/ concept water service



Existing system in node diagram with Elevation





Introduced: 07/16/02
Adopted: 08/06/02

**MATANUSKA-SUSITNA BOROUGH
RESOLUTION SERIAL NO. 02-060**

A RESOLUTION OF THE MATANUSKA-SUSITNA BOROUGH ASSEMBLY APPROVING THE SCOPE OF WORK AND BUDGET FOR THE MATANUSKA-SUSITNA VOLUNTEER WATER QUALITY MONITORING PROGRAM, PROJECT NO. 20307, AS FUNDED BY THE ALASKA STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.

WHEREAS, over the past decade the population and economy of the Matanuska-Susitna Borough has grown tremendously; and

WHEREAS, over the past decade there has been a corresponding increase in the use of the borough's water supplies; and

WHEREAS, the availability of non-polluted water is important to the economic vitality of the borough; and

WHEREAS, a volunteer-based water quality monitoring program will provide information on the quality of the borough's water supplies as well as involve the local citizenry in the program's implementation; and

WHEREAS, a grant in the amount of \$37,000 from the State of Alaska Department of Environmental Conservation has been accepted and appropriated by Ordinance Serial No. 02-105 by the Matanuska-Susitna Borough; and

WHEREAS, the required match of \$24,666 will be met with the fiscal year 2003 planning division operating budget and volunteer time.

NOW, THEREFORE, BE IT RESOLVED, that the Matanuska-Susitna Borough Assembly hereby approves the following scope of work and

budget for the funds awarded by the State of Alaska Department of Environmental Conservation, for the purpose of implementing a volunteer water quality monitoring program:

SCOPE OF WORK

- Train volunteers in the proper method of collecting water quality samples, conducting Secchi Disk readings, using water quality monitors and completing surveys of wildlife, birds, land use, and human use.
- Citizen monitoring of at least 25 lakes borough wide for dissolved oxygen, pH, conductivity, temperature, and turbidity.
- Citizen monitoring of at least 25 lakes for chlorophyll A and phosphorous.
- Citizen site surveys for at least 25 lakes for wildlife, birds, human use, and surrounding land use.
- Maintain and calibrate equipment, and analyze samples and surveys.
- Continue multi-year database of monitoring results for each lake in the program.
- Coordinate with local Alaska Job Corps for assistance with water quality monitoring programs.
- Fund a part-time, seasonal, volunteer coordinator.
- Educate and outreach to property owners around Lake Lucille.
- Monitor, collect and analyze data and surveys for Lake Lucille.
- Review and revise the Quality Assurance Project Plan as necessary.
- Compose, print, and distribute the annual report of the program's findings.
- Develop a presentation of data, program evaluation and results to the MSB Planning Commission.

BUDGET

GRANT	
Salaries/Benefits	\$ 8,037
Contractual	\$25,803
Administration	<u>\$ 3,160</u>
Total	\$37,000
MATCH	
Salaries/Benefits	\$11,367
Materials/Supplies	\$ 4,017
Other (volunteer time)	<u>\$ 9,282</u>
Total	\$24,666
TOTAL	\$61,666

ADOPTED by the Matanuska-Susitna Borough Assembly this 6 day
of August, 2002.

/S/

TIMOTHY L. ANDERSON, Borough Mayor

ATTEST:

/S/

SANDRA A. DILLON, Borough Clerk

(SEAL)

Attachment 1 -

**Joint Assembly and Planning Commission
Presentation (3/11/25)**



JOINT ASSEMBLY














PLANNING COMMISSION

March 11, 2025

PLANS/PROJECTS

Moving Forward



-  Sub-Area Solution Studies (SASS)
-  Fuller Lake Management Plan
-  Transit
-  Historic Preservation Plan Update
-  Community Cleanup
-  Enterprise Software Update (Tyler)
-  Official Streets & Highway Plan (OSHP)
-  MSB Fish & Wildlife Commission
-  Alaska Clean Water Actions Grant (ACWA)
-  South Knik River CC (SpUD)
-  Borough-Wide/Community Comp Plans
-  Capital Improvement Program (CIP)
-  Corridor Access Management Plan (CAMP)
-  Community Council Boundary Updates

PLANNING OVERVIEW

Assembly Directed Code Changes



CODE	DESCRIPTION	SPONSOR	ASSEMBLY PUBLIC HEARING
17.60	Homeless Shelter CUP	Sumner	July 2025
17.55	Setback Amendments	Assembly	TBD
17.XX	Large Lot Single Family Residential District	Hale	August 2025
17.60	Mobile Home Park CUP	Nowers/McKee	August 2025
15.25	SpUD/Comp Plan Process	Hale/Gamble	September 2025
17.05	Essential Services Utilities Standards	Gamble/Hale	TBD
17.73	Overhaul of Multi-Family Code	Sumner	TBD
17.59	Standardize Definitions for Lake Management Regulations	Hale	TBD
Title 43	Identification of Sink Holes in Platting Process	Nowers	September 2025
17.73	Multi-Family Platting Link	Nowers	TBD
17.23	Port Development Permit Repeal	Gamble	September 2025

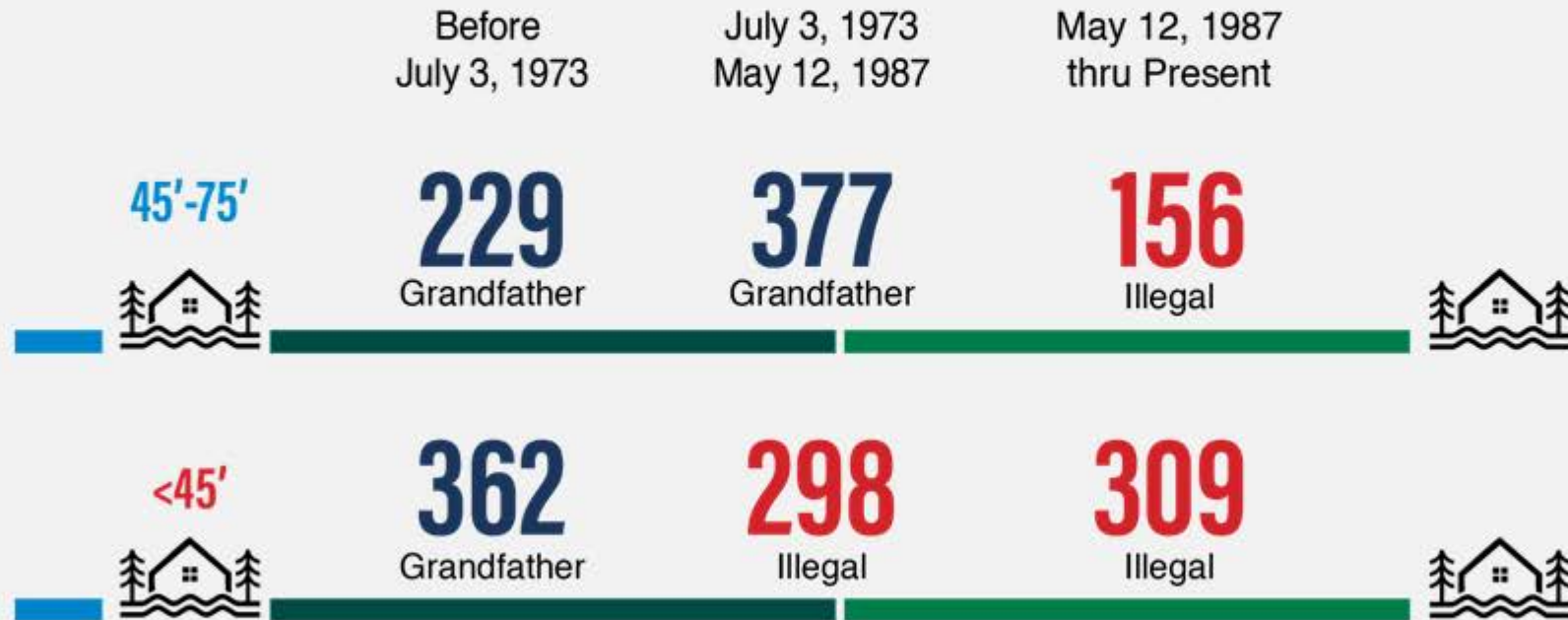


WATERBODY SETBACKS



CURRENT STATE

Setback Violations on Lakes





STRUCTURES BUILT WITHIN 75'

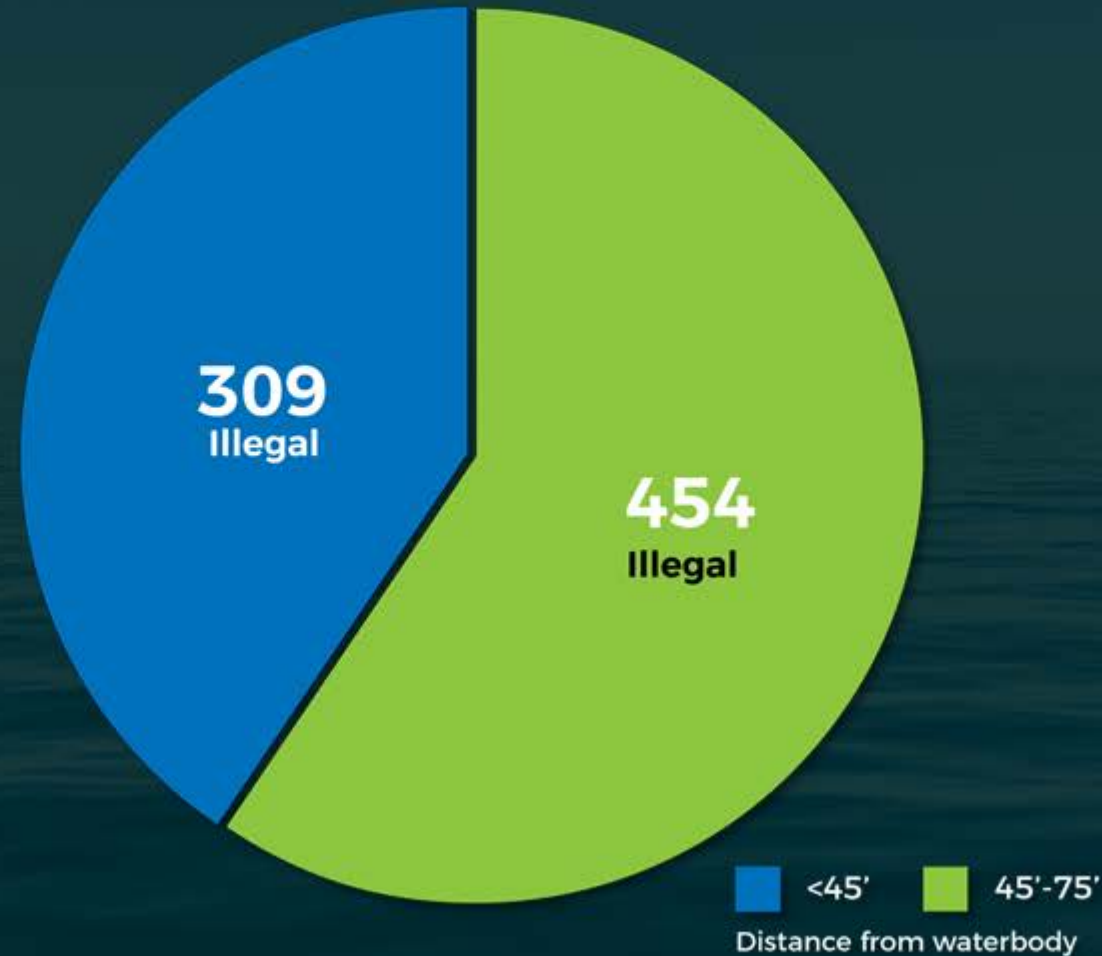
1987- Present

Lakes Only

763

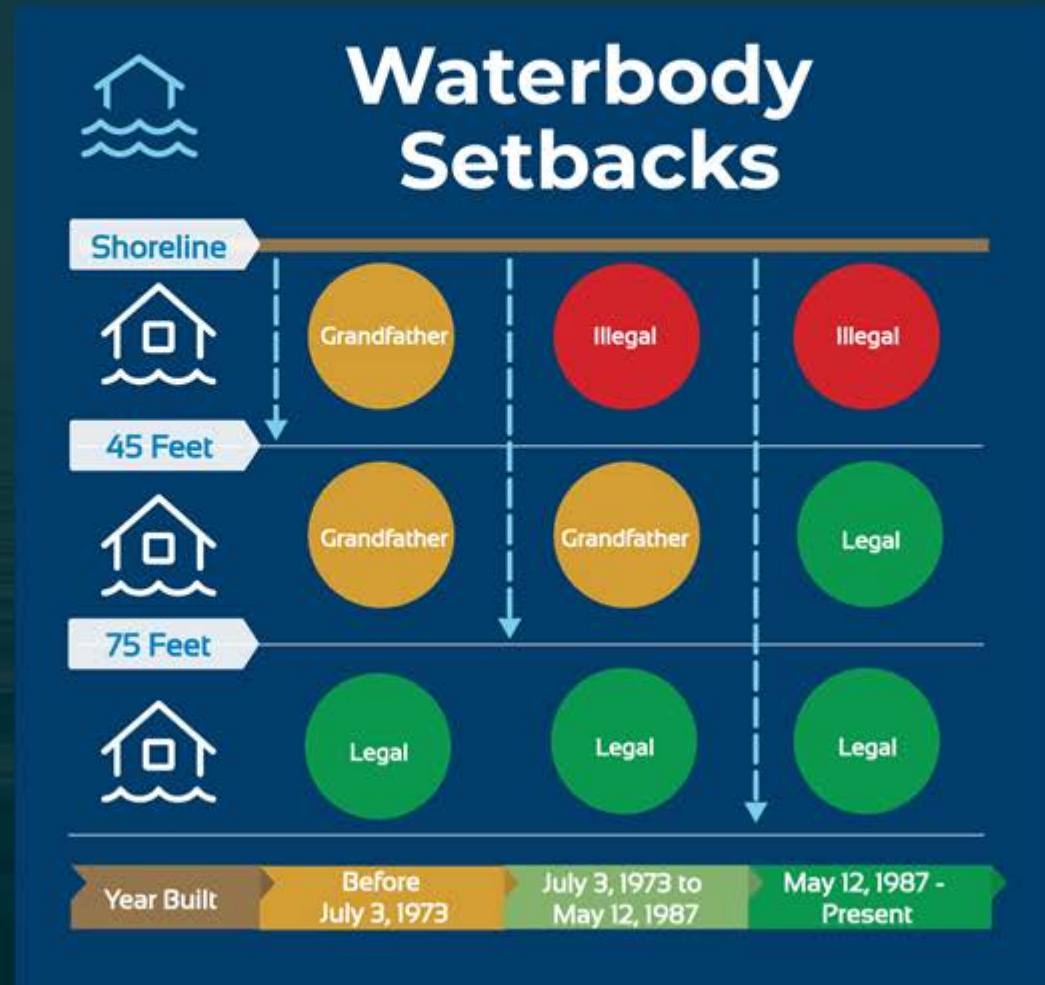
22%

On Big Lake



MSB HISTORY

Setback Regulations



TIMELINE



01 MARCH 2023

Planning Commission recommends failure of ordinance eliminating waterbody setback

02 MAY 2023

Assembly directs staff to work with Planning Commission on amendments to waterbody setback

03 JUNE 2023

Planning Commission opposes the ordinance allowing structures to go within 75 feet so long as certain engineering standards to protect water quality are applied.

04 JULY 2023

Assembly unanimously defeats ordinance allowing structures to go within 75 feet so long as certain engineering standards to protect water quality are applied.

05 AUGUST 2023

Waterbody Setback Advisory Board is established (OR 23-079)

06 SEPTEMBER 2024

Waterbody Setback Advisory Board extended to March 18, 2025

ADVISORY BOARD



Board Membership:

- Design, Constructing Stormwater Abatement (2)
- Home Builder, Lending, Real Estate
- Mat-Su Salmon Habitat Partnership
- MSB Fish & Wildlife Commission
- MSB Planning Commission
- At-Large (3)

ADVISORY BOARD



Topics of Discussion:

- Code compliance overview
- Mandatory land use Permit overview
- Analysis of existing setback violations
- Financing and sale of illegal structures
- 1998 Setback Analysis
- Review of riparian buffer ordinance
- Non-point source pollution, riparian buffers, fish habitat, and water quality
- In-depth review: MSB 17.65 - Variances
- In-depth review: MSB 17.55 - Setbacks & Screening Easements
- In-depth review: MSB 17.80 - Nonconforming Structures
- Recommended changes to MSB 17.55 and MSB 17.80



TIMES MET

22

48

TOTAL
HOURS



WSAB RECOMMENDATIONS

Clarification & Cleanup

- Deleted unnecessary/outdated language
- Clarifies intent
- Clarifies which homes qualify for pre-existing legal nonconforming status

WSAB RECOMMENDATIONS



New general standards near a waterbody

- Kennels, stables, and animal yards no closer than 100 feet
- Stormwater controls for commercial or industrial parking areas within 75 feet
- Storage of liquid hazardous substances within 75 feet requires secondary containment
 - Existing facilities have 5 years to remove or retrofit
- Prohibited within 25 feet
 - Removal of riparian buffer (50%)*
 - Storage of solid waste including debris and animal yard waste
 - Stockpiling of snow
 - Application of fertilizer or herbicides
 - Paved parking areas

WSAB RECOMMENDATIONS



Land Use Permit

- Required for all “ground-disturbing activities” within 75 feet of water
- Ensures compliance with general standards
- Impervious surface cap of 20%*

WSAB RECOMMENDATIONS



Homes allowed between 45' - 75' of standing water with the following restrictions

- Land Use Permit prepared by "qualified professional"
- Identification of current and proposed drainage patterns
- Runoff pollution mitigation measures
- Maintain the pre-development function of wetlands
- Landowner responsible for maintenance of mitigation measures

WSAB RECOMMENDATIONS



* Option to become legal

WSAB RECOMMENDATIONS



Variance

- No longer allowed within 45 feet of a water body
- Results in de facto prohibition of variances near lakes

WSAB RECOMMENDATIONS



Enhanced Enforcement

- Additional staff to patrol waterbodies
- Early detection of water body development

WSAB RECOMMENDATIONS



Habitat Protection Tax Incentive

- Recommend exploration of tax incentive for development near water bodies
- Encourages activities that protect and restore shoreline habitat
- This type of tax credit is allowed by State law and is being used within the Kenai Peninsula Borough

THANK YOU



Alex Strawn
Planning Dept Director



alex.strawn@matsugov.us



(907) 861-7850



Attachment 2

Planning Commission - Meeting Packet (3/12/2025)



MATANUSKA-SUSITNA BOROUGH

Planning and Land Use Department

350 East Dahlia Avenue • Palmer, AK 99645

Phone (907) 861-7822 • www.matsugov.us

WATERBODY SETBACK ADVISORY BOARD AGENDA

Edna DeVries, Mayor

Michael Brown, Borough Manager

CJ Koan, (Vice-Chair) Planning Commission
Kendra Zamzow, MSB Fish and Wildlife
Matthew LaCroix, Mat-Su Salmon Habitat Partnership
Tim Alley, Design & Construct Stormwater Abatement Background
Bill Klebesadel, Design & Construct Stormwater Abatement Background
William Haller, Home Builder, Lending, Real Estate Background
Carl Brent, At-Large
Bill Kendig (Chair), At-Large
Jeanette Perdue, At-Large

PLANNING & LAND USE DEPARTMENT
Alex Strawn, Planning & Land Use Director
Jason Ortiz, Planning & Land Use Deputy Director
Wade Long, Development Services Manager
Fred Wagner, Platting Officer

Location:

*Lower Level Conference Room of the
DSJ Building*

350 E. Dahlia Ave., Palmer

Support Staff: Alex Strawn, Planning & Land Use Director

REGULAR MEETING

5:00 P.M.

March 12, 2025

Ways to participate in the meeting:

IN PERSON: You will have 3 minutes to state your oral comment.

IN WRITING: You can submit written comments to Alex Strawn at Alex.strawn@matsugov.us and Lacie Olivieri at Lacie.olivieri@matsugov.us. Written comments are due at noon on Friday prior to the meeting.

REMOTE PARTICIPATION VIA MICROSOFT TEAMS:

Meeting ID: 238 371 884 983

Passcode: 36ZU2uH6

Or

Dial in by phone: 907-290-7880

Phone conference ID: 527 595 020#

- I. CALL TO ORDER, ROLL CALL, AND DETERMINATION OF QUORUM
- II. APPROVAL OF AGENDA
- III. PLEDGE OF ALLEGIANCE

- IV. APPROVAL OF MINUTES: Regular Meeting: March 5, 2025
- V. AUDIENCE PARTICIPATION (*three minutes per person for items not scheduled for public hearing*)
- VI. ITEMS OF BUSINESS
- A. Draft Ordinance - AN ORDINANCE OF THE MATANUSKA-SUSITNA BOROUGH ASSEMBLY AMENDING MSB 17.02 MANDATORY LAND USE PERMIT, MSB 17.55 – SETBACK AND SCREENING EASEMENTS, MSB 17.65 VARIANCES, MSB 17.80 NONCONFORMING STRUCTURES AND MSB 17.125 DEFINITIONS.
- VII. AUDIENCE PARTICIPATION
- VIII. BOARD MEMBER COMMENTS
- IX. ADJOURNMENT



MATANUSKA-SUSITNA BOROUGH WATERBODY SETBACK ADVISORY BOARD MINUTES

REGULAR MEETING

5:00 P.M.

March 5, 2025

I. CALL TO ORDER, ROLL CALL, AND DETERMINATION OF QUORUM

The Waterbody Setback Advisory Board's regular meeting was held on Wednesday, March 5, 2025, at 350 E. Dahlia Avenue, Palmer, Alaska. Chair Bill Kendig called the meeting to order at 5:00 p.m.

Members present; #7 – Matthew LaCroix, Kendra Zamzow, C.J. Koan, Bill Klebesadel, Bill Kendig, Jeanette Perdue, Carl Brent, Tim Alley @ 5:09

Members absent/excused; #2 – Bill Haller

II. APPROVAL OF AGENDA

CJ Koan moved to approve the agenda. The motion was seconded by Carl Brent. The agenda is approved without objection.

III. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by CJ Koan.

IV. APPROVAL OF MINUTES: Regular Meeting: February 26, 2025

CJ Koan moved to approve the minutes. The motion was seconded by Jeanette Perdue. The February 26, 2025 minutes were approved without objection.

V. AUDIENCE PARTICIPATION

There being no persons to be heard Audience Participation was closed without objection.

VI. STAFF REPORT

Alex Strawn, Planning and Land Use Director, introduced the Borough Attorneys, Erin Ashmore and John Aschenbrenner.

VII. ITEMS OF BUSINESS

- A. Draft Ordinance – A DRAFT ORDINANCE TO BE PRESENTED TO THE ASSEMBLY AMENDING MSB 17.55 TO ALLOW STRUCTURES TO BE CONSTRUCTED WITHIN 75 FEET OF A WATERBODY, SO LONG AS CERTAIN ENGINEERING STANDARDS TO PROTECT WATER QUALITY ARE APPLIED**

Tim Alley moved to approve Section 12 (17.02.050 Additional Required Standards For Specific Circumstances). The motion was seconded by CJ Koan.

Tim Alley moved an amendment to 17.02.050 (A)(3) to add an a and b that states “(a) two feet from the bottom of any basin or swale to the seasonal high water table or; (b) maintain existing undisturbed vegetated surface as the bottom of the basin or swale and no standing water during high-water periods of the year from April 1- September 30; and” the motion was seconded by Bill Klebesadel. Discussion ensued.

The amendment passed without objection.

Kendra Zamzow moved to add “Current runoff pollution mitigation measures or” throughout Section 12. The motion was seconded by Tim Alley. The motion passed without objection.

Bill Klebesadel moved to approve section 12 as amended. The motion was seconded by CJ Koan. The motion passed without objection.

Tim Alley moved an amendment to remove the text after “chapter” in Section 12 (E). The motion was seconded by Kendra Zamzow. The motion passed without objection.

Tim Alley moved to approve the changes in Section 13 (17.65.020 (B)). The motion was seconded by Bill Klebesadel. The motion passed without objection.

The Attorneys suggested changing Adjacent to adjoining.

Kendra moved an amendment to change adjacent to adjoining. The motion was seconded by CJ Koan.

The Attorneys withdrew their suggestion.

Kendra withdrew her amendment.

Matt LaCroix moved an amendment to change the language in Section 13 (B) to “a variance from the waterbody setback requirement in MSB 17.55.020(A) may not be granted if the location of the proposed structure is;” and delete (1) and (2) and change (a) and (b) to (1) and (2). The motion was seconded by Tim Alley. The amendment passed without objection.

The Main motion passed as amended without objection.

Bill Klebesadel moved to approve the changes as shown in the staff revision in Section 14 (17.80.020 Legal Nonconforming Structures). The motion was seconded by Carl Brent.

The motion passed without objection.

Matt Lacroix moved an amendment to remove “Are legal non-conforming structures” in Section 14 (A) 1 (a). The motion was seconded by Carl Brent.

The amendment passed without objection.

Matt LaCroix moved a secondary amendment to add “Provided they are not enlarged or altered after the date of adoption of this sub-paragraph”. The motion was seconded by Kendra Zamzow.

The secondary amendment passed without objection.

CJ Koan moved to accept the date change. The motion was seconded by Kendra Zamzow.

The motion passed without objection.

Tim Alley moved an amendment to change “The effective date of this Section” to “The effective date of this Paragraph”. The motion was seconded by CJ Koan. The amendment passed without objection.

Bill Klebesadel moved to allow all future construction to be built within 45-75 feet as long as they follow the pollution mitigation measures. The motion was seconded by Tim Alley.

Break @ 6:30 back at 6:40

Matt LaCroix, Kendra Zamzow, and Carl Brent objected to the motion.

The motion passed with Bill Klebesadel, CJ Koan, Tim Alley, Jeanette Perdue, and Bill Kendig in favor and Matt LaCroix, Kendra Zamzow, and Carl Brent opposed.

Tim Alley moved to accept the change to the definition of riparian buffer as shown in the Staff revision. The motion was seconded by CJ Koan.

The motion passed without objection.

Tim Alley moved to approve Section 15 (17.125.010 Definitions) as amended. The motion was seconded by Matt LaCroix.

The motion passed without objection.

We returned to Kendra’s motion that had been postponed at the last meeting.

Kendra moved to add an F to Section 7 (17.55.020 Waterbody Setbacks for Structures.) that states “buildings may be located closer than 75 feet to non-anadromous streams less than two feet in width provided they meet all state, federal, and borough regulatory standards and receive a land use permit.” The motion was seconded by Tim Alley.

The motion failed with Bill Klebesadel and Kendra Zamzow in favor and CJ Koan, Bill Kendig, Jeanette Perdue, Tim Alley, Matt LaCroix, and Carl Brent Opposed.

B. Draft Resolution - A RESOLUTION OF THE MATANUSKA-SUSITNA BOROUGH WATERBODY SETBACK ADVISORY BOARD RECOMMENDING CHANGES TO MSB 17.55 – SETBACK AND SCREENING EASEMENTS, MSB 17.02 – MANDATORY LAND USE PERMIT, AND MSB 17.65 - VARIANCES

Tim Alley moved to remove the word existing from Number 1 (Path to compliance). The motion was seconded by Bill Klebesadel. Discussion ensued. The motion passed without objection.

Tim Alley moved to revise number 2 to say “to maintain the current 75-foot setback for buildings adjacent to flowing water.” and create a new number 3 for commercial and industrial, saying, “We recommend the current 75-foot setback be applied to commercial and industrial development.” The motion was seconded by CJ Koan. The motion passed without objection.

Bill Klebesadel moved to remove “during the summer months” from number 8. Tim Alley seconded the motion. The motion passed without objection.

Kendra Zamzow moved to adopt the resolution as amended. The motion was seconded by Bill Klebesadel.

Tim Alley moved an amendment to add a new number 9 that states, “It is recommended that a minimum 45-foot waterbody setback be maintained with no path to compliance for structures illegally built within 45 feet of a waterbody setback.” The motion was seconded by Kendra Zamzow. The amendment passed without objection.

The Main motion passed without objection.

VIII. AUDIENCE PARTICIPATION

Rod Hanson

IX. BOARD MEMBER COMMENTS

Matt Lacroix – No comment

Carl Brent – No comment

Bill Klebesadel – No comment

Tim Alley – Pretty big change. Make sure everyone looks over what Alex prepares before the next meeting so we can get this thing finished up.

Kendra Zamzow – No comment

Bill Kendig – No comment

CJ Koan— No comment

X. ADJOURNMENT

The meeting was adjourned at 7:45 p.m.

Bill Kendig, Chair

ATTEST:

Lacie Olivieri, Clerk

Date: _____

DRAFT

CODE ORDINANCE

March 10 - DRAFT

Sponsored by:
Introduced:
Public Hearing:
Action:

MATANUSKA-SUSITNA BOROUGH
ORDINANCE SERIAL NO. Choose an item. _____

AN ORDINANCE OF THE MATANUSKA-SUSITNA BOROUGH ASSEMBLY AMENDING MSB 17.02 MANDATORY LAND USE PERMIT, MSB 17.55 - SETBACK AND SCREENING EASEMENTS, MSB 17.65 VARIANCES, MSB 17.80 NONCONFORMING STRUCTURES AND MSB 17.125 DEFINITIONS.

BE IT ENACTED:

WHEREAS, the intent and rationale of this ordinance are found in the accompanying Information Memorandum No. 25-XX.

Section 1. Classification. This ordinance is of a general and permanent nature and shall become a part of the Borough Code.

Section 2. Amendment of chapter. The title and table of contents within MSB 17.55 is hereby amended to read as follows:

CHAPTER 17.55: SETBACKS [AND SCREENING EASEMENTS]

Section

- 17.55.004 DEFINITIONS
- 17.55.005 [GENERAL] **PURPOSE AND INTENT**
- 17.55.010 SETBACKS **FROM RIGHTS-OF-WAY AND LOT LINES**
- 17.55.015 SHORELANDS; DEFINITION [REPEALED]
- 17.55.016 WATER BODY SETBACKS FOR POLLUTION SOURCES**
- 17.55.020 **WATER BODY** SETBACKS FOR [SHORELANDS] **STRUCTURES**
- 17.55.040 VIOLATIONS, ENFORCEMENT, AND PENALTIES

Section 3. Amendment of Subsection. MSB 17.55.004(A) is hereby amended as follows:

17.55.004 DEFINITIONS.

(A) For the purpose of this chapter, the following

definitions shall apply unless the context clearly indicates or requires a different meaning.

- "Animal waste facility" means any area or structure used to store, compost, or dispose of animal manure, animal byproducts, an animal carcass, or fish waste. The term does not include a dumpster or other closed container provided by a waste service provider.

- "Hazardous substance" means (A) an element or compound that, when it enters into or on the surface or subsurface land or water of the state, presents a danger to the public health or welfare, or to fish, animals, vegetation, or any part of the natural habitat in which fish, animals, or wildlife may be found; or (B) a substance defined as a hazardous substance under 42 U.S.C. §§ 9601 - 9657 (Comprehensive Environmental Response, Compensation, and Liability Act of 1980).

- "Ordinary high water mark" means the mark made by the action of water under natural conditions on the shore or bank of a water body [BODY OF WATER] which action has been so common and usual that it has created a difference between the character of the vegetation or soil on one side of the mark and character of the vegetation and soil on the other side of the mark.

- "Private pond" means a natural or constructed

water body less than five acres in size that lacks a surface connection to other waterbodies and is located entirely on property with the same ownership.

• "Pump activated fuel delivery systems" means those fuel tanks, such as for home heating oil or aviation fuel, where the tank outlet is located above the fluid level of a full tank.

• "Secondary containment" means an impermeable diked area or portable impermeable container capable of providing storage capacity for materials which may leak due to the failure, overfilling or improper draining of the primary storage container. Double-walled tanks qualify as secondary containment only where the flow piping includes leak detection coupled to an automatic shutoff valve at the tank outlet.

• "Water-dependent accessory structure" means a structure necessary to support access to or use of the water (e.g., a shed used to store boating accessories) or waterfront (e.g., a gazebo).

Section 4. Amendment of Section. MSB 17.55.005 is hereby amended as follows:

17.55.005 [GENERAL] PURPOSE AND INTENT.

(A) [THIS] The purpose of this chapter is to establish[ES] minimum structural setbacks from lot

lines, [WATER COURSES AND] water bodies, and rights-of-way [, AND SPECIFIC SCREENING EASEMENTS FOR CERTAIN LANDS WITHIN SUBDIVISIONS] in the Matanuska-Susitna Borough except where otherwise specified in special land use district regulations within this title.

(1) Setbacks provide for light and air, fire protection, traffic safety, preservation of privacy, stormwater management, space for utility lines, and uphold neighborhood aesthetics; and

(2) Setbacks along flowing waters minimize risks to structures from lateral channel migration and flooding.

(B) The primary purpose of 17.55.016 to 17.55.020 is to protect human health, aquatic and riparian habitat, the ecologic function of water bodies, the local economy and property values, recreation, viewshed, and quality of life.

(1) These sections establish requirements related to the development and management of lands adjoining waterbodies.

(2) Standards will reduce and minimize the discharge of pollutants to waterbodies via surface runoff and subsurface leaching.

Section 5. Amendment of Section. MSB 17.55.010 is hereby

amended as follows:

17.55.010 SETBACKS **FROM RIGHTS-OF-WAY AND LOT LINES.**

(A) No structure or building line shall be placed within 25 feet from the right-of-way line of any public right-of-way, except no furthestmost protruding portion of any structure shall be placed within ten feet from the right-of-way line of any public right-of-way when the pre-existing lot:

(1) measures 60 feet or less in frontage on a public right-of-way, and is not located on a cul-de-sac bulb; or

(2) comprises a nonconforming structure erected prior to July 3, 1973. This setback shall be known as the structure or building line setback.

(B) Except where specifically provided other[-]wise by ordinance, no furthestmost protruding portion of any structure or building line shall be located nearer than ten feet from any side or rear lot line.

(C) Except as otherwise specified by code, eaves may project a maximum of three feet into required setback areas.

(D) The setback requirements of this section do not apply to property within the cities of Palmer and Wasilla.

(E) If a condemnation by a governmental agency reduces the building line setback of a structure below 25 feet, but there remains at least ten feet setback, and the setback reduced by the condemnation met the requirements of this section prior to the condemnation, the resulting setback shall be the setback requirements for the lot.

(F) For purposes of this chapter, commercial or industrial buildings on separate but [ADJACENT] **adjoining** parcels, which otherwise meet the setback requirements, may have connecting pedestrian walkways, enclosed or not. Pedestrian walkways:

(1) shall not contribute to the building area or the number of stories or height of connected buildings; and

(2) must comply with the current adopted edition of the International Building Code, except that the outside width of the walkway shall not exceed 30 feet in width, exclusive of eaves.

(G) No furthestmost protruding portion of any structure or building line shall be located nearer than ten feet from railroad rights-of-way, except that utilities and rail dependent structures may extend up to railroad rights-of-way.

Section 6. Adoption of Section. MSB 17.55.016 is hereby adopted as follows:

17.55.016 WATER BODY SETBACKS FOR POLLUTION SOURCES

(A) No part of a subsurface sewage disposal system shall be closer than 100 feet from the ordinary high water mark of any water body.

(B) Kennels, stables, animal yards and animal waste facilities shall not be located closer than 100 feet from the ordinary high water mark of any water body. Drainage from kennels, stables, animal yards and animal waste facilities shall not be concentrated and directed (e.g., such as by a ditch) towards a water body. This requirement does not apply to private ponds.

(C) Paved vehicle parking areas shall not be located closer than 25 feet from the ordinary high water mark of any water body.

(1) for commercial or industrial facilities, paved vehicle parking areas within 75 feet of a water body shall demonstrate that the development standards identified in MSB 17.02.035(B) regarding stormwater runoff are met.

(D) Except as provided in subparagraph (1), all liquid hazardous substances, including petroleum fuels, oils, and lubricants, located or stored closer than 75

feet from the ordinary high water mark of any water body shall include secondary containment of at least 110 percent of the storage volume to minimize the risk of spills. All piping and valves carrying liquid hazardous substances shall have secondary containment.

(1) Pump-activated fuel-delivery systems with leak detection and auto shutoff may have a drip collection system instead of secondary containment.

(2) Refined oil fuels such as gasoline, diesel fuel, small engine fuels, etc., with an aggregate total volume of 10 gallons or less do not require secondary containment.

(3) The owners of pre-existing fixed storage facilities for petroleum fuels and other liquid hazardous substances (e.g., home heating oil tanks) shall be allowed five years from the effective date of this section to fully comply with the secondary containment requirement.

(E) The following activities are prohibited within 25 feet of the ordinary high water mark of any water body:

(1) Removing riparian buffer from more than 50 percent of the surface area except as provided in MSB 17.02.035(A) (1) (a) .

(a) Dead, diseased, or fallen trees may be removed from the riparian buffer area, and pruning for vegetation health is allowed.

(2) Ground disturbing activities of more than 50 percent of the surface area.

(3) Storing or discharging solid waste, including debris, and animal and yard wastes.

(4) Stockpiling snow imported from an offsite location.

(5) The application of fertilizers or herbicides.

Section 7. Amendment of Section. MSB 17.55.020 is hereby amended as follows:

17.55.020 WATER BODY SETBACKS FOR [SHORELANDS] STRUCTURES.

(A) Except as provided in paragraph (2) and (3) of subsection (B) of this section, no structure or footing shall be located closer than 75 feet from the ordinary high water mark of a water body [BODY OF WATER]. [EXCEPT AS PROVIDED OTHERWISE, E] Eaves may project three feet into the required setback area.

(1) Compliance with setbacks for structures adjoining waterbodies shall be based upon the location of the structure in relation to the ordinary high water

mark at the time it was constructed. Subsequent movement of the ordinary high water mark that reduces the setback distance does not create a violation under this chapter.

(2) A land use permit in accordance with MSB 17.02 shall be obtained prior to commencement of construction of structures proposed to be built between 45 and 75 feet of a lake, pond, or wetland.

(3) Habitable buildings and garages built between May 12, 1987, and the effective date of this paragraph that are within 45 and 75 feet of the ordinary high water mark of a lake, pond, or wetland are eligible for a land use permit in accordance with MSB 17.02.

(B) Docks, piers, marinas, aircraft hangars, boathouses and water-dependent accessory structures may be located closer than 75 feet of a water body and over the water body, provided they [ARE NOT USED FOR HABITATION AND DO NOT CONTAIN SANITARY OR PETROLEUM FUEL STORAGE FACILITIES. STRUCTURES PERMITTED OVER WATER UNDER THIS SUBSECTION SHALL CONFORM TO ALL APPLICABLE STATE AND FEDERAL STATUTES AND REGULATIONS] meet all state, federal, and borough regulatory standards and receive a land use permit prior to construction in accordance with MSB 17.02.

(1) Boathouses or aircraft hangars which are exempt from a minimum shoreline setback for structures shall:

(a) be built over, in, or [IMMEDIATELY ADJACENT TO] adjoining a water_body and used solely for storing boats and boating accessories;

(b) be designed, constructed and oriented for primary access by boats or aircraft directly to a water_body;

(c) not have more than incidental accessory access to a street or driveway; and

(d) not be usable as a garage or habitable structure without significant alteration.

[(C) IN THE CITY OF WASILLA, THIS SECTION DOES NOT APPLY TO STRUCTURES WHERE CONSTRUCTION WAS COMPLETED PRIOR TO NOVEMBER 16, 1982. ELSEWHERE IN THE BOROUGH, THIS SECTION DOES NOT APPLY TO STRUCTURES WHERE CONSTRUCTION WAS COMPLETED PRIOR TO JANUARY 1, 1987, IF THE PRESENT OWNER OR OWNERS OF THE PROPERTY HAD NO PERSONAL KNOWLEDGE OF ANY VIOLATION OF THE REQUIREMENTS OF THIS SECTION PRIOR TO SUBSTANTIAL COMPLETION OF THE STRUCTURES. THE DIRECTOR OF THE PLANNING DEPARTMENT SHALL, UPON APPLICATION BY A PROPERTY OWNER, DETERMINE WHETHER A PROPERTY QUALIFIES FOR AN EXCEPTION UNDER THIS

SUBSECTION.

(1) AN APPLICATION FOR A SHORELINE SETBACK EXCEPTION SHALL INCLUDE A FILING FEE AS ESTABLISHED BY RESOLUTION OF THE ASSEMBLY.

(D) IN THIS SECTION, A "STRUCTURE" IS ANY DWELLING OR HABITABLE BUILDING OR GARAGE.

(E) NO PART OF A SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE CLOSER THAN 100 FEET FROM THE ORDINARY HIGH WATER MARK OF ANY BODY OF WATER. THE PLANNING COMMISSION SHALL REQUIRE THIS DISTANCE BE INCREASED WHERE NECESSARY TO PROTECT WATERS WITHIN THE BOROUGH.]

(F) A permit in accordance with MSB 17.02 is required prior to construction or placement of any structure, or any ground-disturbing activity within 75 feet of the ordinary high water mark of any water body. Section 8. Amendment of Subsection. MSB 17.02.010(A) is hereby amended as follows:

(A) It is the intent of this chapter to improve the level of compliance with existing borough code by establishing a mandatory land use review process **for activities within 75 feet of a water body** and directly providing regulatory information to persons proposing [DEVELOPMENT] **certain activities** within the borough outside of the cities of Houston, Palmer, and Wasilla.

Section 9. Amendment of Section. MSB 17.02.020 is hereby amended as follows:

17.02.020 LAND USE PERMIT **FOR ACTIVITIES WITHIN 75 FEET OF A WATER BODY.**

(A) The land owner or authorized agent shall obtain a land use permit from the Matanuska-Susitna Borough Planning Department prior to the commencement of:

(6) construction or placement of any [BUILDING] **structure** within 75 feet of **the ordinary high water mark of** any [WATERCOURSE OR] water body; **or**

(7) ground disturbing activities within 75 feet of the ordinary high water mark of any water body.

(B) A landowner or authorized agent may voluntarily request a land use permit for any structure or use not required to obtain a permit under this chapter.

(C) A permit is not required under this chapter when the proposed use is subject to another permit within this title.

Section 10. Amendment of Subsection. MSB 17.02.030 (B) (2) (a) is hereby amended as follows:

(a) site plans are not required to be certified but shall clearly identify the following:

(i) north arrow;

(ii) boundaries of parcel;

(iii) size, location, and setback dimensions of proposed structures;

(iv) names and location of [ADJACENT] adjoining roadways;

(v) location of rights-of-way and public easements within and [ADJACENT TO] adjoining the parcel;

(vi) location and name of [ADJACENT] adjoining water bodies;

(vii) location of subsurface sewage disposal systems; [AND]

(viii) intended use of proposed structures;[.]

(ix) existing cleared areas, structures, and impervious surfaces; and

(x) any areas of proposed ground disturbing activities.

Section 11. Adoption of Section. MSB 17.02.035 REQUIRED STANDARDS is adopted as follows:

17.02.035 REQUIRED STANDARDS

(A) The director may issue a land use permit pursuant to MSB 17.02.020 only upon finding that the development meets the following standards:

(1) the site plan demonstrates compliance with the provisions of MSB 17.55.016;

(a) notwithstanding the requirements of

17.55.016(E) (1), a land use permit may be issued where no riparian buffer exists or where the property owner proposes to remove the riparian buffer if the requirements of MSB 17.02.035(B)050 are met.

(2) any proposed buildings or structures shall comply with MSB 17.55.020(B) (2), as applicable; and

(3) the total area of impervious surfaces within 75 feet of a water body shall not exceed 20% of the area within 75 feet of the water body, except that impervious surfaces may exceed 20% if the requirements of MSB 17.02.050 (B) are met.

Section 12. Adoption of Section. MSB 17.02.050 ADDITIONAL REQUIRED STANDARDS FOR SPECIFIC CIRCUMSTANCES is adopted as follows:

17.02.050 ADDITIONAL REQUIRED STANDARDS FOR SPECIFIC CIRCUMSTANCES

(A) In addition to the site plan requirements identified in MSB 17.02.030, existing structures seeking nonconforming status in accordance with MSB 17.80.020 (B) (4), structures built between 45 and 75 feet as required by MSB 17.55.020 (A) (2) - (3), structures identified by MSB 17.55.020 (B), or a land use permit application in accordance with MSB 17.02.035 (A) (1) (a) or 17.02.035 (A) (3), must submit the following additional

information to obtain a land use permit:

(1) existing and proposed drainage patterns to and from the parcel, known drainage problems such as flooding or erosion, and potential pollutant sources from current or proposed land use that may add pollutants to stormwater runoff;

(2) current runoff pollution mitigation measures or plans and specifications for proposed runoff pollution mitigation measures, including necessary maintenance, with sufficient detail to support an engineering review;

(3) current infiltrative methods or plans and specifications for infiltrative methods shall identify soil type and depth to the seasonal high water table providing:

(a) a minimum of 2 feet from the bottom of any basin or swale to the seasonal high water table;

or

(b) ~~maintain~~ maintenance of existing undisturbed vegetated surface as the bottom of the basin or swale and no standing water during high-water periods of the year from April 1 - September 30; and

(4) site-specific analyses conducted by a qualified professional identifying the current or

proposed runoff pollution mitigation measures.

(B) A land use permit may only be issued upon a finding that the applicant's runoff mitigation measures are sufficient as evidenced by:

(1) review and certification of existing runoff pollution mitigation measures ~~have been reviewed and by certified by~~ a qualified professional; or

(2) design and installation of proposed runoff pollution mitigation ~~will be designed and installed~~ under the oversight of a qualified professional.

(C) Runoff mitigation measures shall meet the following criteria:

(1) Treat the initial 0.25 inch of post-development runoff for each storm event;

(2) Provide ~~(a minimum of)~~ 12 hours of detention for the post-development runoff in excess of pre-development runoff volumes for the 1-year, 24-hour storm;

(3) Maintain the post-development runoff peak flow from the 10-year, 24-hour storm to less than 1.10 times the pre-development runoff peak flow at all project discharge points;

(4) Storm water conveyance and drainage ditches shall be sized to pass the 10-year, 24-hour storm

event. Control flows in conveyance channels so that transport of particles will not occur for the post-development 10-year, 24-hour storm; and

(5) In areas where wetlands are disturbed, drainage must be designed to preserve the pre-development function of the remaining wetlands.

(D) ~~upon~~ Upon completion of the project, an as-built survey shall be submitted showing the location of all pertinent structures and features associated with the development.

(E) ~~a~~ A revised stormwater runoff analysis ~~will~~ ~~beis~~ required if future development could reasonably result in increased stormwater runoff.

(F) ~~L~~andowners are responsible for maintenance of approved runoff pollution mitigation measures specified in their land use permit under this chapter.

Section 13. Adoption of Subsection. MSB 17.65.020(B) is hereby adopted as follows:

(B) A variance from the water body setback requirement in MSB 17.55.020(A) may not be granted if the location of the proposed structure is:

(1) closer than 45 feet from the ordinary high water mark of a water body.

(2) in an area of known erosion hazard

adjacent to a river, stream, or other flowing waters.

Section 14. Amendment of Section. MSB 17.80.020 is hereby amended as follows:

17.80.020 LEGAL NONCONFORMING STRUCTURES

(A) The following structures qualify as legal nonconforming structures without an administrative determination, however, an administrative determination may be issued if requested by the property owner:

(1) structures built lawfully and made nonconforming by adoption of subsequent ordinances;

(a) all structures within 75 feet of a water body that were constructed prior to adoption of the setback requirement on July 3, 1973, and have not subsequently been enlarged or altered.

(b) Non-habitable structures within 75 feet of a water body that were constructed between September 16, 1988 and the effective date of this sectionsubparagraph, and have not subsequently been enlarged or altered after the effective date of this subparagraph.

(2) structures built in violation of the ordinance existing at the time of construction, then made legal by adoption of subsequent ordinance, and later made nonconforming by adoption of subsequent

ordinances;

(a) habitable buildings and garages that were completed between July 3, 1973, and May 12, 1987, and have not subsequently been enlarged or altered, that are located between 45 and 75 feet from the ordinary high water mark of a water body.

(3) permanent structures which were constructed lawfully after the date of adoption of the Acknowledgement of Existing Regulations, Chapter 17.01, but which were made unlawful after the date of start of construction due to adoption of subsequent regulations.

(B) The following structures require an administrative determination in order to be granted legal nonconforming status;

(1) structures granted a variance in accordance with Chapter 17.65;

[(2) STRUCTURES BUILT IN VIOLATION OF SHORELINE SETBACK ORDINANCES EXISTING AT THE TIME OF CONSTRUCTION, AND SUBSEQUENTLY GRANTED AN EXEMPTION FROM SHORELINE SETBACKS IN ACCORDANCE WITH MSB 17.55.020(C);]

(3) permanent structures built in violation of ordinances existing at the time of construction, and subsequently granted legal nonconforming status in accordance with MSB 17.80.070.

Section 15. Amendment of Section. MSB 17.125.010 is hereby amended as follows:

- "Cleared area" means an area where existing vegetative cover and surficial soil layers, including organic matter or duff, is removed or altered by ground-disturbing activities.

- "Ground disturbing activity" means an activity that includes the use of heavy equipment, such as a backhoe or bulldozer, that disturbs the soil layers, uproots woody vegetation, or alters preexisting land contours. Examples of such ~~uses-activities~~ include mechanized land clearing, grading, contouring, or placing of fill. "Ground disturbing activity" does not include the cutting or removal of vegetation above the ground (i.e. use of hydro-axe, mowing, rotary cutting, and chain sawing) without disturbing the soil or root systems.

- "Kennel, stable, and animal yards" means any premises used for breeding, buying, selling, keeping, or boarding five or more dogs over the age of six months, whether for profit or not; any facility housing or holding more than three pigs, goats, or animals of similar size; and all facilities housing or holding large animals (e.g., horses, cattle, llamas).

• "Lake" means a standing body of open water that occurs in a natural depression fed by one or more streams from which a stream may flow, that occurs due to the widening or natural blockage or cutoff of a river or stream, or that occurs in an isolated natural depression that is not a part of a surface river or stream. The term also includes artificial waterbodies created by excavation, as well as artificial blocking or restriction of the flow of a river, stream, or tidal area (e.g. by a dam).

• "Qualified professional" means a professional [HYDROLOGIST, GEOLOGIST, OR REGISTERED ENGINEER THAT HAS SPECIFIC EDUCATION AND EXPERIENCE WITH GROUNDWATER HYDROLOGY] civil engineer or other professional registered with the State of Alaska under Alaska Statute 08.48 qualified to practice the type of work required by this title.

• "Riparian buffer" means native vegetation adjoining a water body that helps to protect the water body from the impact of activities conducted on adjoining land.

• "Runoff pollution mitigation measure" means any combination features designed and intended to treat and retain stormwater runoff associated with a development,

such as bioswales, rain gardens, riparian buffers, or filter strips.

- "Stormwater runoff" means any surface flow consisting entirely of water from precipitation including from the melting of ice and snow. Runoff occurs when the water volume or surface gradient overcome the infiltrative capacity of the surface.

- "Treat and retain" means to manage stormwater on the parcel through any combination of detention, retention, infiltration, evapotranspiration, or other treatment methods to mitigate a discharge of stormwater runoff to a water body or adjoining parcel.

Section 16. Effective date. This ordinance shall take effect upon adoption.

ADOPTED by the Matanuska-Susitna Borough Assembly this - day of -, 2025.

EDNA DeVRIES, Borough Mayor

ATTEST:

LONNIE R. McKECHNIE, CMC, Borough Clerk

(SEAL)

**MATANUSKA-SUSITNA BOROUGH
WATERBODY SETBACK ADVISORY BOARD
RESOLUTION SERIAL NO. 24-01**

A RESOLUTION OF THE MATANUSKA-SUSITNA BOROUGH WATERBODY SETBACK ADVISORY BOARD RECOMMENDING CHANGES TO MSB 17.55 - SETBACK AND SCREENING EASEMENTS, MSB 17.02 - MANDATORY LAND USE PERMIT, MSB 17.80 NONCONFORMING STRUCTURES, AND MSB 17.65 - VARIANCES.

WHEREAS, the Matanuska-Susitna Borough Assembly established the Waterbody Setback Advisory Board through IM No. 23-175 and Ordinance No. 23-175 on 8/15/2023 to review and recommend any changes to the Borough code relating to waterbody setbacks and related issues. These related issues should include variances/non-conformities, how to deal with structures built in violation of the 1973 and 1987 ordinances, possible remedies for structures in violation, and any other issues the Board believes are pertinent. To the extent possible, the Advisory Board is required to identify possible solutions, identify ways to enforce and implement those solutions and identify resources needed to implement and enforce those solutions; and

WHEREAS, the preservation and protection of our natural water bodies are recognized as essential for the sustainability of ecological balance, ensuring public safety, enhancing the beauty of our community, the conservation of viewsheds, enriching the quality of life, safeguarding community characteristics, and

upholding property values. These water bodies serve as critical habitats for diverse flora and fauna, including salmon and other fish, contribute to local biodiversity, support recreational activities, and play a crucial role in the broader ecosystem services that benefit both residents and wildlife alike; and

WHEREAS, the activities conducted adjacent to waterbodies, such as construction, grading, clearing, filling, or contouring, are known to have a profound impact on water quality, the preservation of natural habitats, and the overall health and sustainability of aquatic ecosystems. These activities can lead to sedimentation, alteration of hydrological patterns, habitat fragmentation, and the introduction of pollutants, all of which threaten the quality of life and community for residents, the ecological balance, and biodiversity crucial to the well-being of these environments; and

WHEREAS, there has been a recognition of the necessity for increased regulation and oversight to prevent adverse effects on waterbodies resulting from unregulated or improperly managed land-use activities.

NOW, THEREFORE, BE IT RESOLVED, that the Waterbody Setback Advisory Board hereby makes the following recommendations to the Assembly:

1. Path to Compliance for Homeowners: The Assembly is advised

to establish a path to compliance for homes built within the 75-foot setback area of lakes in violation of MSB 17.55. This compliance pathway should require the design and construction of mitigation measures to be developed and overseen by a qualified professional registered in the State of Alaska, and should maintain a minimum setback of 45 feet.

2. Setback Maintenance and Expansion: The Waterbody Setback Advisory Board recommends retaining the current 75-foot setback requirement for buildings adjacent to flowing water.

3. Commercial and industrial development: Recommend waterbody setback be applied to include commercial and industrial projects.

4. Land Use Permit Requirement: It is recommended that MSB 17.02 be amended to mandate a land use permit for any grading, clearing, filling, contouring, or construction activities within 75 feet of waterbodies. This measure seeks to ensure thorough review and management of all such activities to minimize adverse impacts on waterbody ecosystems.

5. Shoreline standards: Adopt standards for clearing and grading within 75 feet of waterbodies to include provisions for managing runoff associated with the development, and maintaining a vegetative buffer along the shoreline.

6. Animal Waste Management: Adopt a setback requirement of 100 feet from the ordinary high-water mark of waterbodies for

outdoor kennels, stables, animal yards, and animal waste facilities to enhance environmental protection.

7. Prevention of Liquid Petroleum Fuel Contamination: Adopt measures to mitigate the risk of liquid fuel contamination near waterbodies by requiring secondary containment or drip collection for all fuel installations within 75 feet of waterbodies, including both existing and new installations.

8. Enhanced Enforcement: Recognizing the importance of enforcing setback regulations effectively, it is recommended that additional staff be hired to patrol water bodies. Their presence will deter violations, ensure adherence to established laws, and offer an immediate response to any observed infractions.


9. Structures within 45 feet: It is recommended that a minimum 45-foot water body setback be maintained with no path to compliance for structures illegally built within 45 feet of a water body.

10. Limitation of Variances: It is recommended that MSB 17.65 be amended to eliminate the ability to obtain a variance within 45 feet of a waterbody.

11. New habitat protection tax incentive: The Assembly is encouraged to consider the establishment of a habitat protection tax incentive, similar to the program in the Kenai Peninsula Borough, and advocate for state legislation that extends coverage to all types of waterbodies, not limited to rivers.

BE IT FURTHER RESOLVED, the Waterbody Setback Advisory Board has attached a draft ordinance reflecting its recommendations for the Assembly to consider.

ADOPTED by the Matanuska-Susitna Borough Waterbody Setback Advisory Board this 5th day of March, 2025.



Bill Kendig, Board Chair

ATTEST:



Lacie Olivieri, Board Clerk