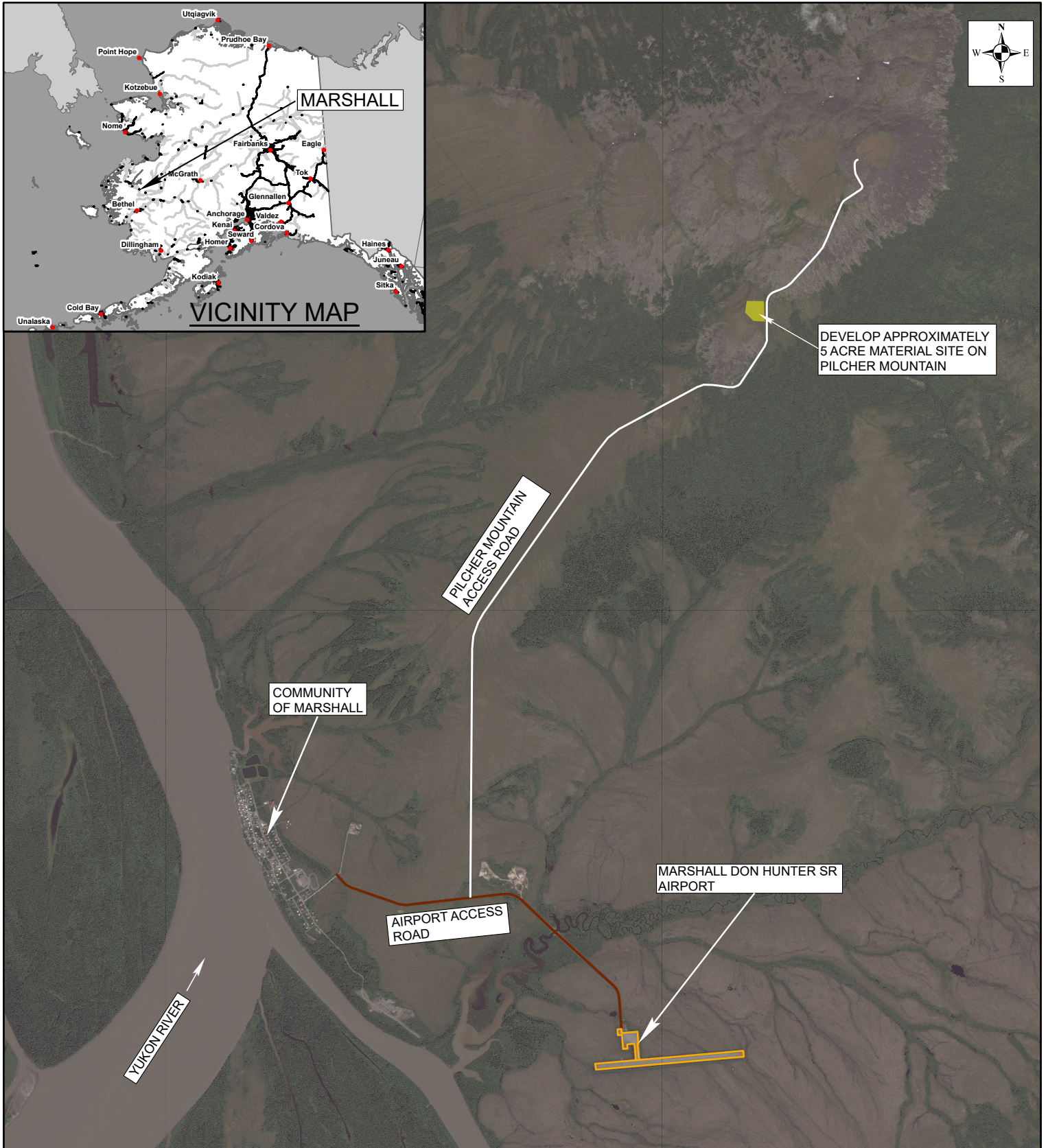
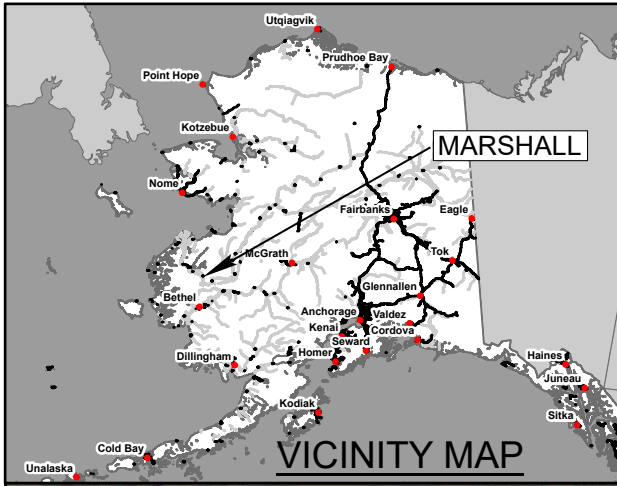


# **APPENDIX A: FIGURES**



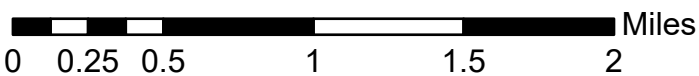
STATE OF ALASKA  
 Department of Transportation and Public Facilities  
 2301 Peger Road Fairbanks, AK 99709

**Marshall Airport Improvements**  
 NFAPT0371

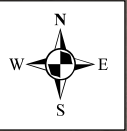
Proposed Project Vicinity and Location

DATE: March 2022

Figure 1












TO THE COMMUNITY OF MARSHALL

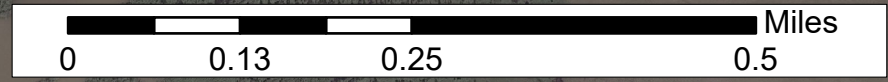
TO PILCHER MOUNTAIN

1

1

- 1 Rehabilitate and widen Airport Access Road and replace culverts
- 2 Resurface Runway, Taxiway, Apron, SREB Pad, Segmented Circle Pad
- 3 Reconstruct Embankments
- 4 Replace FAA Runway Identifier Lights (REILs)
- 5 Rehabilitate SREB

-  Airport Access Road
-  Culverts
-  SREB
-  Runway, Taxiway, Apron, Segmented Circle, and SREB Pad
-  Embankment Toe



STATE OF ALASKA  
 Department of Transportation and Public Facilities  
 2301 Peger Road Fairbanks, AK 99709

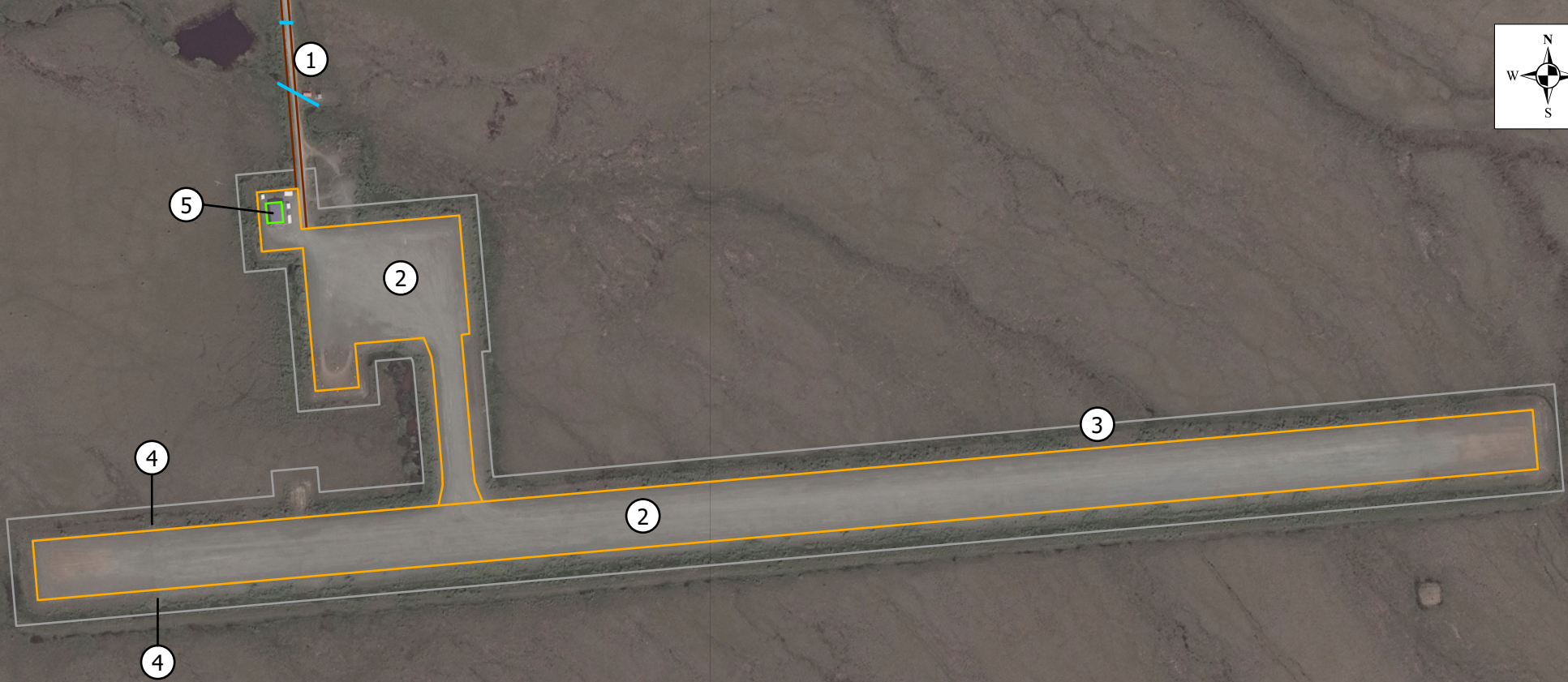
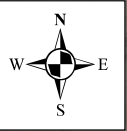
**Marshall Airport Improvements**  
**NFAPT0371**

DATE: March 2022

Figure 2

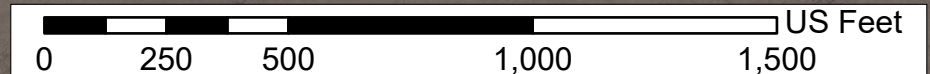
Document Path: H:\Projects\Communities\Marshall\00371 Marshall Airport Impr\04 PS&E\13 Figures\Scoping Figures.aprx





- ① Rehabilitate and widen Airport Access Road and replace culverts
- ② Resurface Runway, Taxiway, Apron, SREB Pad, Segmented Circle Pad
- ③ Reconstruct Embankments
- ④ Replace FAA Runway Identifier Lights (REILs)
- ⑤ Rehabilitate SREB

- Airport Access Road
- Culverts
- SREB
- Runway, Taxiway, Apron, Segmented Circle, and SREB Pad
- Embankment Toe

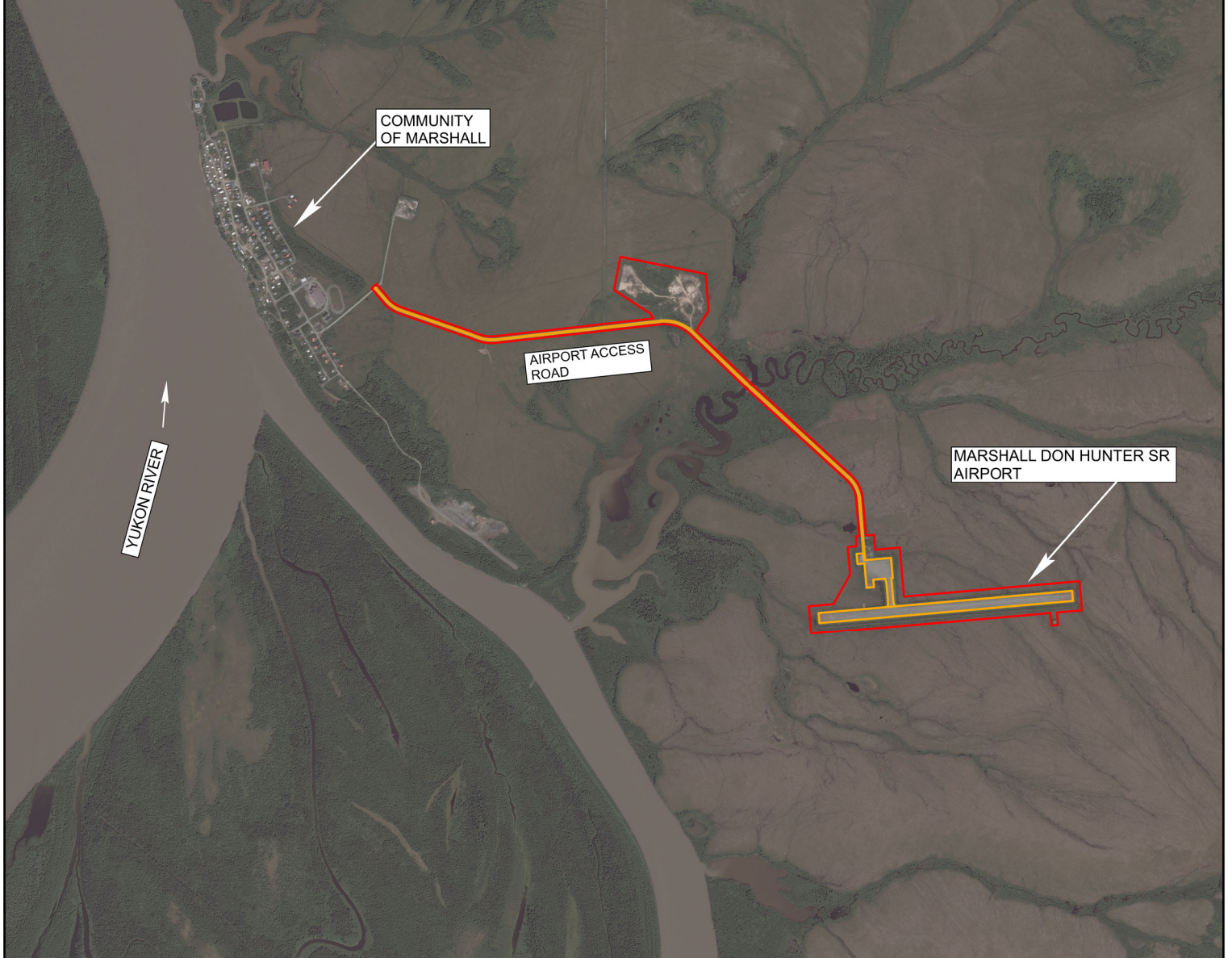
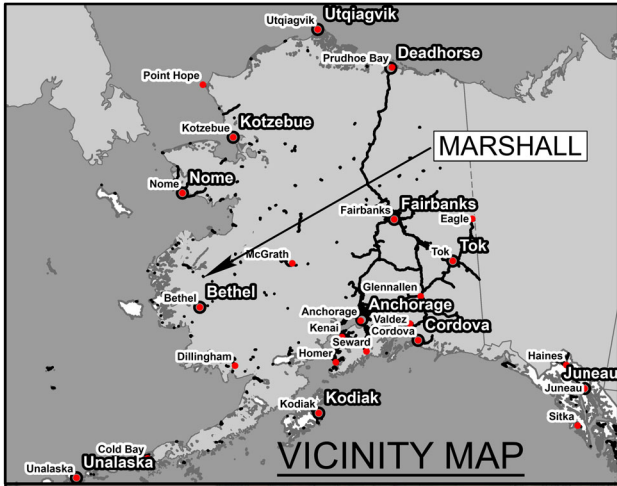


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### Marshall Airport Improvements NFAPT0371

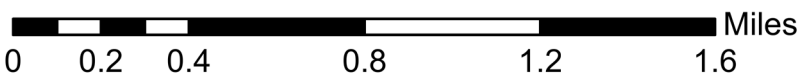
DATE: March 2022      Figure 3





**LEGEND**

- Area of Potential Effect
- Proposed Improvements



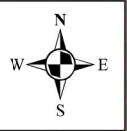
STATE OF ALASKA  
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**Marshall Airport Improvements**  
 NFAPT0371  
 Area of Potential Effect

DATE: October 2022

Figure 4





TO THE COMMUNITY OF MARSHALL

POSSIBLE CONTRACTOR STAGING AREA

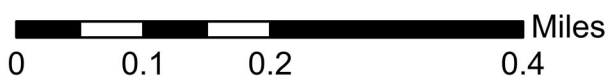
AIRPORT ACCESS ROAD

1

① Rehabilitate Airport Access Road and replace culverts

- Airport Access Road
- Rehabilitate Snow Removal Equipment Building
- Runway, Taxiway, Apron, Segmented Circle, and Building Pad
- Proposed Embankment Toe
- Area of Potential Effect
- Culverts

Document Path: H:\Projects\Communities\Marshall\00371 Marshall Airport Imprv\04 PS&E\13 Figures\Scoping Figures -Fig 1-3 - w road - APE.aprx



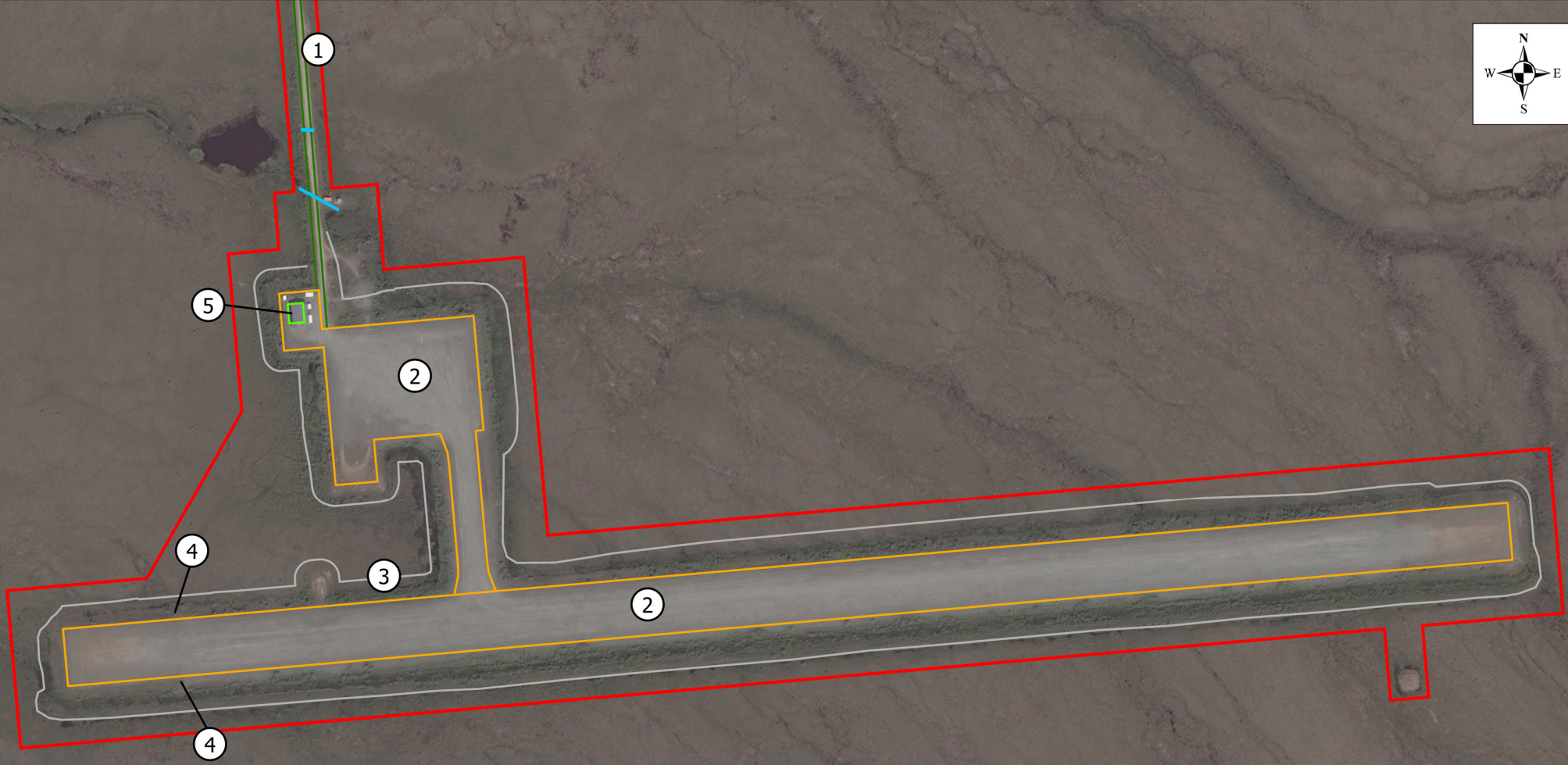
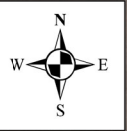
STATE OF ALASKA  
Department of Transportation and Public Facilities  
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**Marshall Airport Improvements**  
**NFAPT0371**  
Area of Potential Effect

DATE: October 2022

Figure 5





- ① Rehabilitate Airport Access Road and replace culverts
- ② Resurface Runway, Taxiway, Apron, SREB Pad, Segmented Circle Pad
- ③ Reconstruct Embankments
- ④ Replace FAA Runway End Identifier Lights (REILs)
- ⑤ Rehabilitate SREB

- Airport Access Road
- Culverts
- Rehabilitate Snow Removal Equipment Building
- Runway, Taxiway, Apron, Segmented Circle, and Building Pad
- Proposed Embankment Toe
- Area of Potential Effect



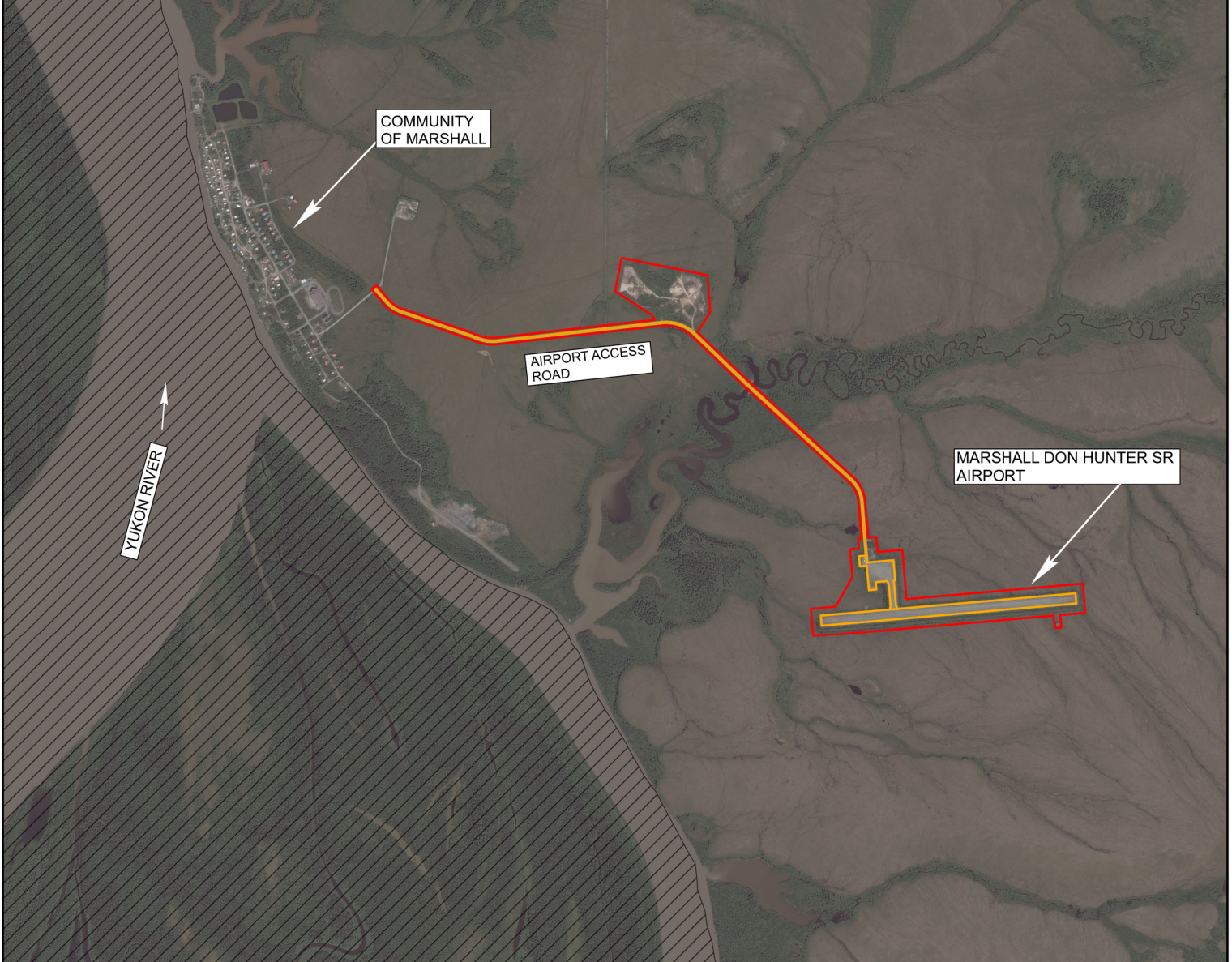
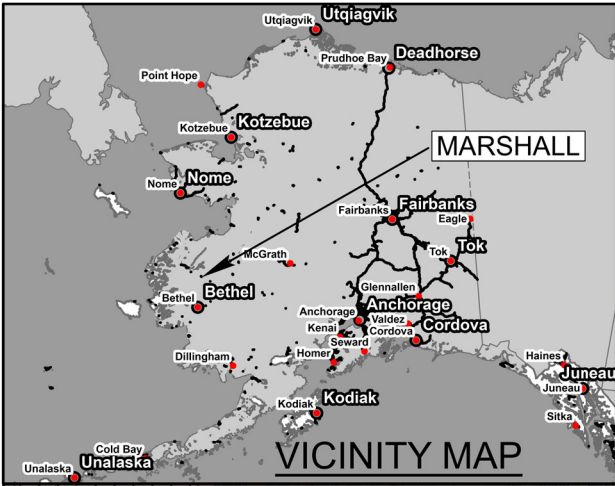
STATE OF ALASKA  
Department of Transportation and Public Facilities  
2301 Peger Road Fairbanks, AK 99709

### Marshall Airport Improvements NFAPT0371 Area of Potential Effect




DATE: October 2022

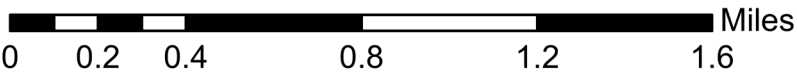
Figure 6





**LEGEND**

-  Area of Potential Effect
-  Yukon Delta National Wildlife Refuge
-  Proposed Improvements



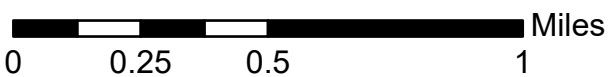
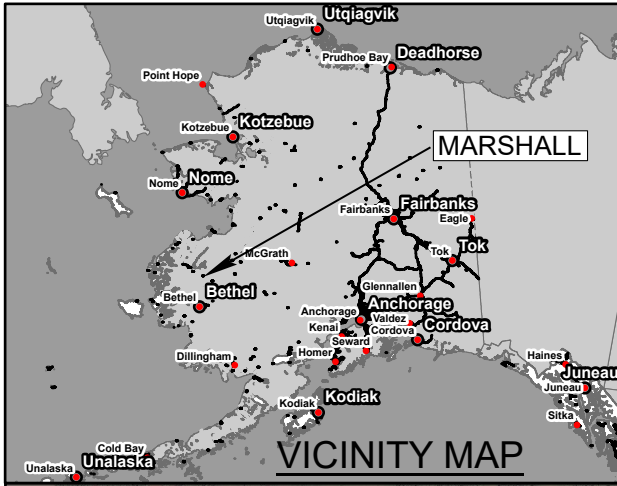
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**Marshall Airport Improvements**  
 NFAPT0371  
 Area of Potential Effect

DATE: January 2023

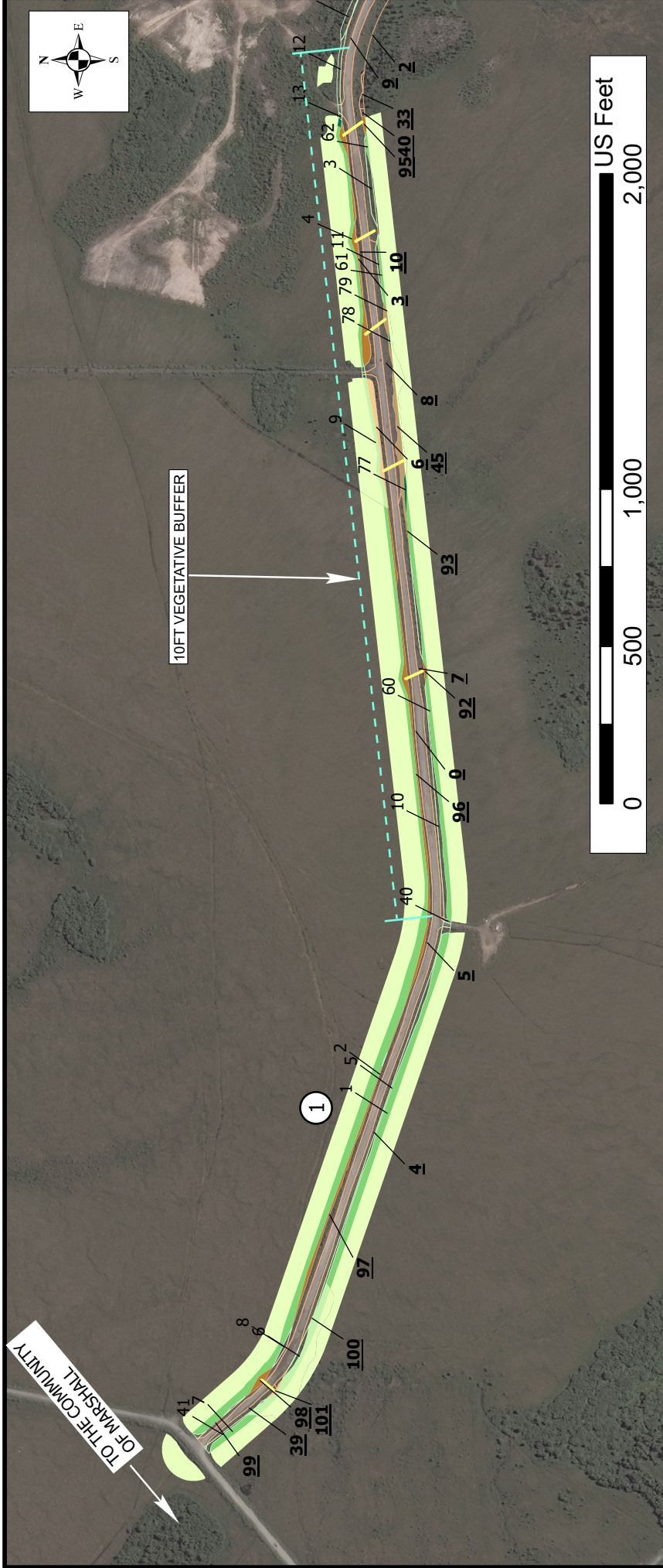
Figure 7





<p><b>STATE OF ALASKA</b>          DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES          Applicant/Agent: AK DOT&amp;PF, Northern Region          2301 Peger Rd. Fairbanks, AK 99709</p>	
<p><b>MARSHALL AIRPORT IMPROVEMENT PROJECT</b>          PROJECT NUMBER: NFAPT00371</p>	
<p>LOCATION AND VICINITY MAPS</p>	
<p>DATE: JANUARY 2023</p>	<p>Figure 8</p>





**STATE OF ALASKA**  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 Applicant/Agent: AK DOT&PF, Northern Region  
 2301 Peger Rd. Fairbanks, AK 99709

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**MARSHALL AIRPORT IMPROVEMENT PROJECT**  
 PROJECT NUMBER: NFAPT00371

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WETLAND FILL FOR AIRPORT ACCESS ROAD (1 OF 2)

---

DATE: JANUARY 2023 Figure 9

---

**LEGEND**

# TEMPORARY WETLAND IMPACTS FOR VEGETATIVE BUFFER\* (10.0 ACRES TOTAL)\*\*  
 # PERMANENT WETLAND IMPACTS (9.7 ACRES TOTAL)\*\*

MAPPED WETLAND/WATERBODY/TRIBUTARY  
 CULVERT  
 10FT VEGETATIVE BUFFER LOCATIONS

\*VEGETATIVE BUFFER IS 25FT OR TO ROW WHICHEVER IS CLOSER, UNLESS INDICATED AS 10FT ON FIGURE.  
 \*\*SEE ATTACHED TABLES

**SCOPE**

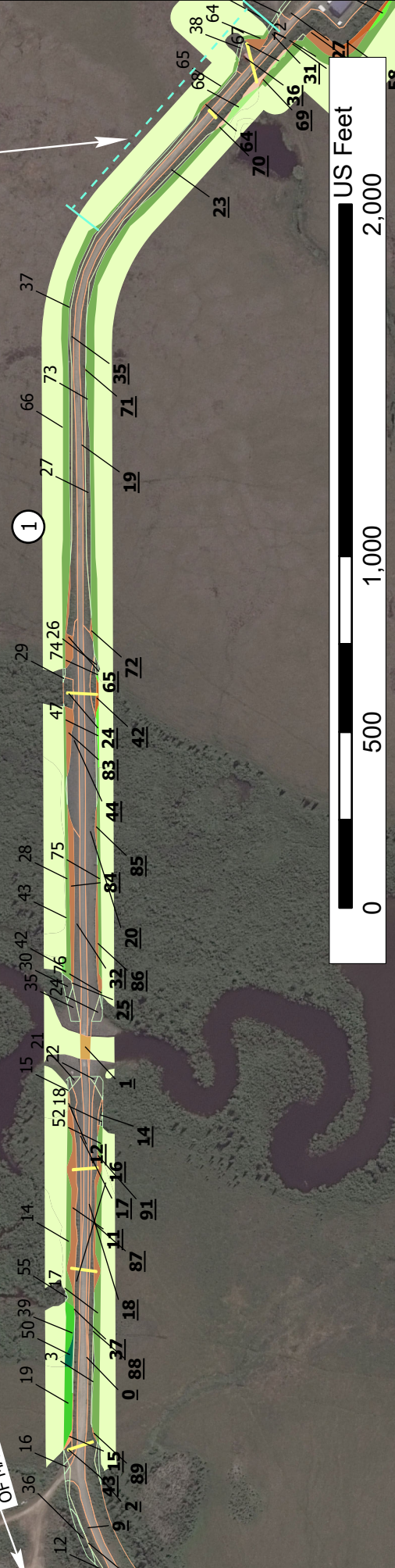
- ① Rehabilitate Airport Access Road and replace culverts
- ② Resurface Runway, Taxiway, Apron, SREB Pad, Segmented Circle Pad
- ③ Reconstruct Embankments
- ④ Replace FAA Runway Identifier Lights (REILs)
- ⑤ Rehabilitate SREB

<p><b>Temporary Wetland</b></p> <p>Impacts</p> <p>COWARDIN</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> PEM1C</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #8FBC8F; border: 1px solid black;"></span> PEM1F</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #98FB98; border: 1px solid black;"></span> PSS1/3B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> PSS1/EM1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> PSS1/EM1C</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #8FBC8F; border: 1px solid black;"></span> PSS1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> PSS1C</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> PSS3/1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> PSS3/EM1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; border: 1px solid black;"></span> R3UBH</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: white; border: 1px solid black;"></span> Upland</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: gray; border: 1px solid black;"></span> &lt;all other values&gt;</li> </ul>	<p><b>Permanent Wetland</b></p> <p>Impacts</p> <p>COWARDIN</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; border: 1px solid black;"></span> PEM1C</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #8B4513; border: 1px solid black;"></span> PEM1F</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; border: 1px solid black;"></span> PSS1/3B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; border: 1px solid black;"></span> PSS1/EM1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; border: 1px solid black;"></span> PSS1/EM1C</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #8B4513; border: 1px solid black;"></span> PSS1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; border: 1px solid black;"></span> PSS1C</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; border: 1px solid black;"></span> PSS3/1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; border: 1px solid black;"></span> PSS3/EM1B</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; border: 1px solid black;"></span> R3UBH</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: white; border: 1px solid black;"></span> Upland</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: gray; border: 1px solid black;"></span> &lt;all other values&gt;</li> </ul>
--	--





10FT VEGETATIVE BUFFER



**LEGEND**

# TEMPORARY WETLAND IMPACTS FOR VEGETATIVE BUFFER\* (10.0 ACRES TOTAL)\*\*

# PERMANENT WETLAND IMPACTS (9.7 ACRES TOTAL)\*\*

MAPPED WETLAND/WATERBODY/TRIBUTARY

CULVERT

10FT VEGETATIVE BUFFER LOCATIONS

\*VEGETATIVE BUFFER IS 25FT OR TO ROW WHICHEVER IS CLOSER, UNLESS INDICATED AS 10FT ON FIGURE.

\*\*SEE ATTACHED TABLES

**SCOPE**

- ① Rehabilitate Airport Access Road and replace culverts
- ② Resurface Runway, Taxiway, Apron, SREB Pad, Segmented Circle Pad
- ③ Reconstruct Embankments
- ④ Replace FAA Runway Identifier Lights (REILs)
- ⑤ Rehabilitate SREB

**Permanent Wetland Impacts**

COWARDIN

- PEM1C
- PEM1F
- PSS1/3B
- PSS1/EM1B
- PSS1/EM1C
- PSS1B
- PSS1C
- PSS3/1B
- PSS3/EM1B
- R3UBH
- Upland
- <all other values>

**Temporary Wetland Impacts**

COWARDIN

- PEM1C
- PEM1F
- PSS1/3B
- PSS1/EM1B
- PSS1/EM1C
- PSS1B
- PSS1C
- PSS3/1B
- PSS3/EM1B
- Upland
- <all other values>

**STATE OF ALASKA**

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

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2301 Peger Rd. Fairbanks, AK 99709

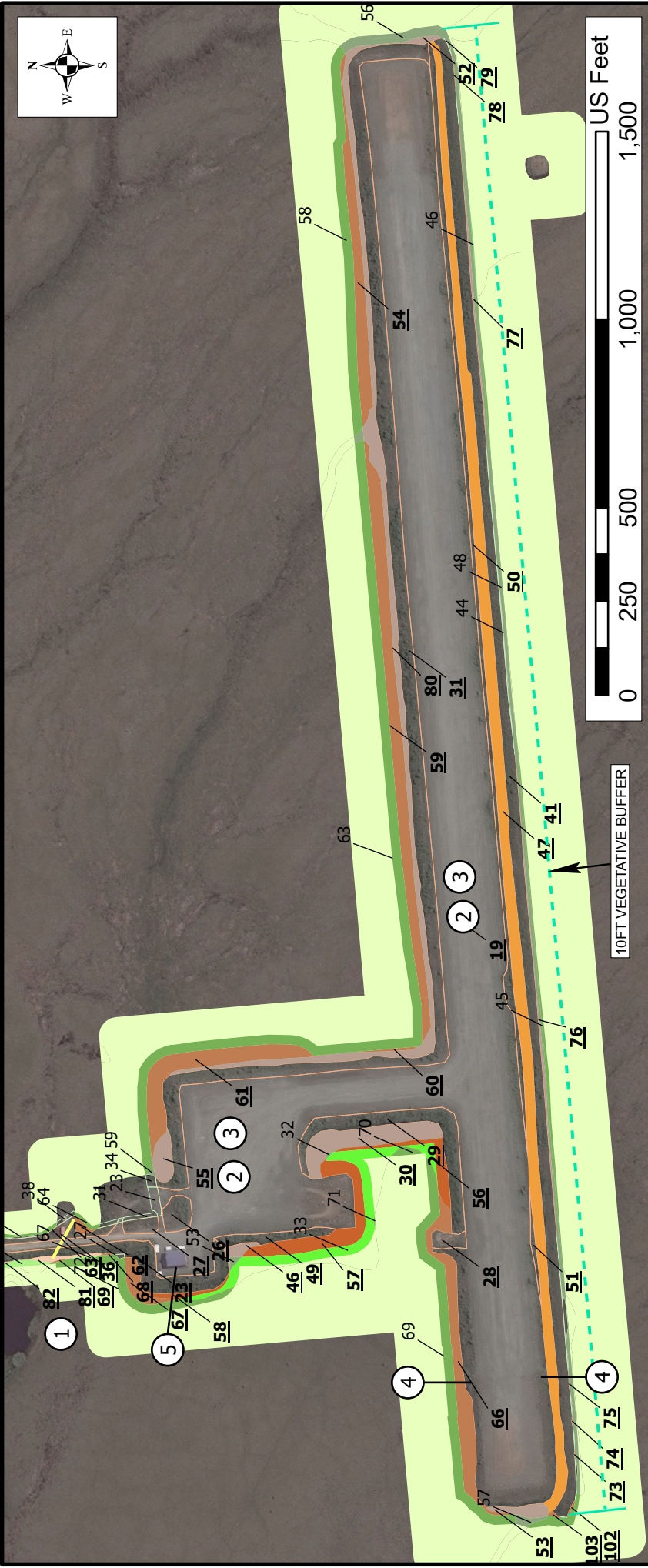
**MARSHALL AIRPORT IMPROVEMENT PROJECT**  
PROJECT NUMBER: NFAPT00371

WETLAND FILL FOR AIRPORT ACCESS ROAD (2 OF 2)

DATE: DECEMBER 2022

Figure 10





**LEGEND**

# TEMPORARY WETLAND IMPACTS FOR VEGETATIVE BUFFER\* (10.0 ACRES TOTAL)\*\*

# PERMANENT WETLAND IMPACTS (9.7 ACRES TOTAL)\*\*

MAPPED WETLAND/WATERBODY/TRIBUTARY

CULVERT

10FT VEGETATIVE BUFFER LOCATIONS

\*VEGETATIVE BUFFER IS 25FT OR TO ROW WHICHEVER IS CLOSER, UNLESS INDICATED AS 10FT ON FIGURE.  
 \*\*SEE ATTACHED TABLES

**SCOPE**

- ① Rehabilitate Airport Access Road and replace culverts
- ② Resurface Runway, Taxiway, Apron, SREB Pad, Segmented Circle Pad
- ③ Reconstruct Embankments
- ④ Replace FAA Runway Identifier Lights (REILs)
- ⑤ Rehabilitate SREB

Permanent Wetland Impacts

- COWARDIN
- PEM1C
  - PEM1F
  - PSS1/3B
  - PSS1/EM1B
  - PSS1/EM1C
  - PSS1B
  - PSS1C
  - PSS3/1B
  - PSS3/EM1B
  - R3UBH
  - Upland
  - <all other values>

Temporary Wetland Impacts

- COWARDIN
- PEM1C
  - PEM1F
  - PSS1/3B
  - PSS1/EM1B
  - PSS1/EM1C
  - PSS1B
  - PSS1C
  - PSS3/1B
  - PSS3/EM1B
  - Upland
  - <all other values>

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

Applicant/Agent: AK DOT&PF, Northern Region  
 2301 Peger Rd. Fairbanks, AK 99709

MARSHALL AIRPORT IMPROVEMENT PROJECT  
 PROJECT NUMBER: NFAPT00371

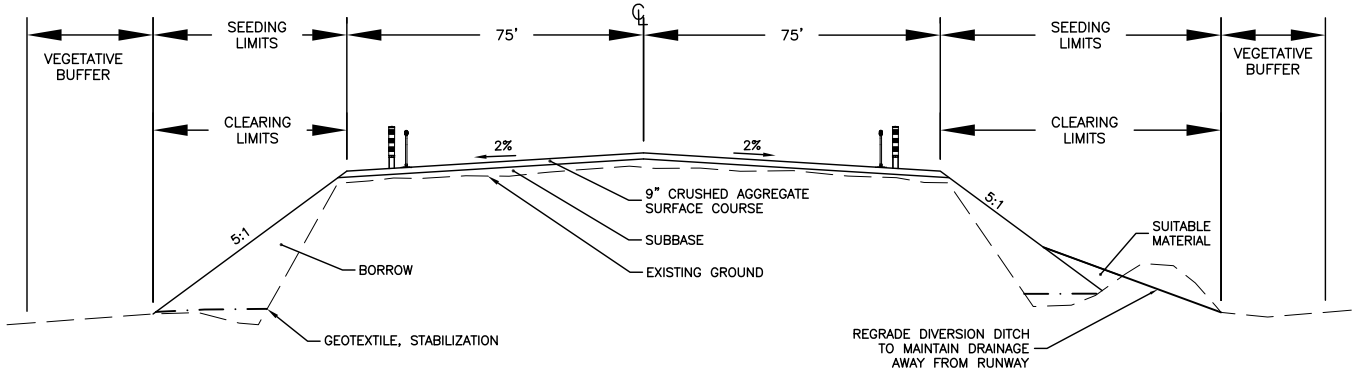
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DATE: DECEMBER 2022

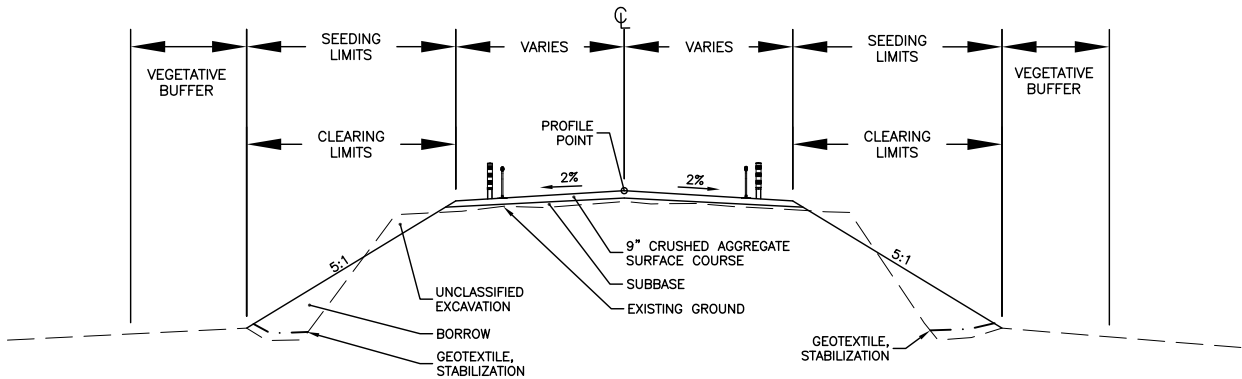
Figure 11



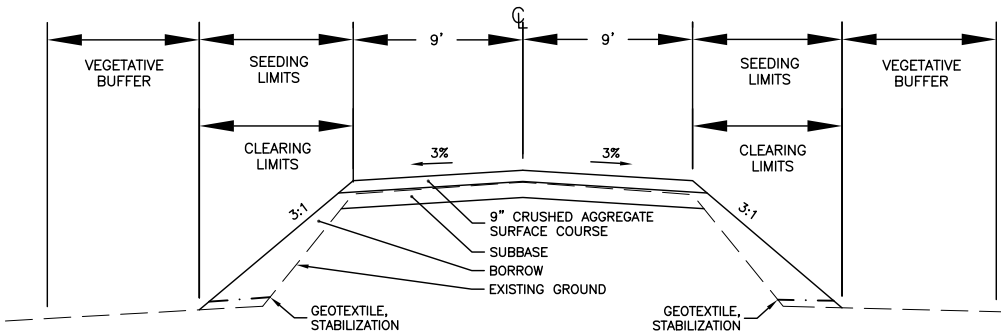
H:\Projects\Communities\Marshall\Airport Imprv\04 PS&E\13 Figures\TYP SECTIONS Wetland figs-FIG 5 Fri, 17/Feb/23 10:02am



**RUNWAY TYPICAL SECTION**  
NTS



**TAXIWAY TYPICAL SECTION**  
NTS



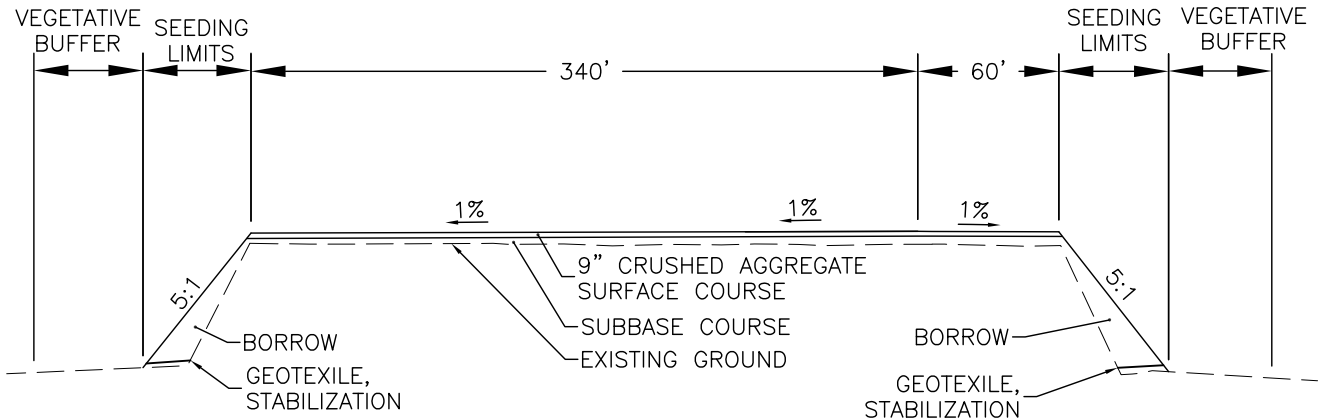
**ACCESS ROAD TYPICAL SECTION**  
NTS

**NOTE**  
10FT VEGETATIVE BUFFER IN AREAS THAT DO NOT DRAIN AWAY FROM PROJECT. FOR ALL OTHER AREAS THE VEGETATIVE BUFFER IS 25FT OR TO THE ROW WHICHEVER IS CLOSER.

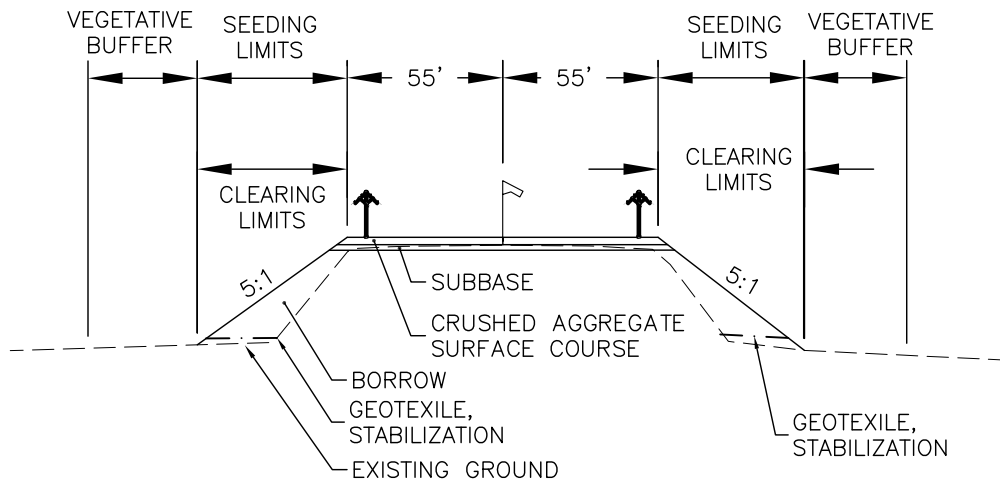
STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: AK DOT&PF, Northern Region 2301 Peger Rd. Fairbanks, Ak 99709	
MARSHALL AIRPORT IMPROVEMENT PROJECT PROJECT NUMBER: NFAPT00371	
RUNWAY, TAXIWAY, AND ACCESS ROAD TYPICAL SECTIONS	
DATE: NOVEMBER 2022	Figure 12



Hi:\Projects\Communities\Marshall\Airport Imprv\04 PS&E\13 Figures\TYP SECTIONS Wetland figs-FIG 6 Fri, 17/Feb/23 10:03am



**APRON TYPICAL SECTION**  
NTS

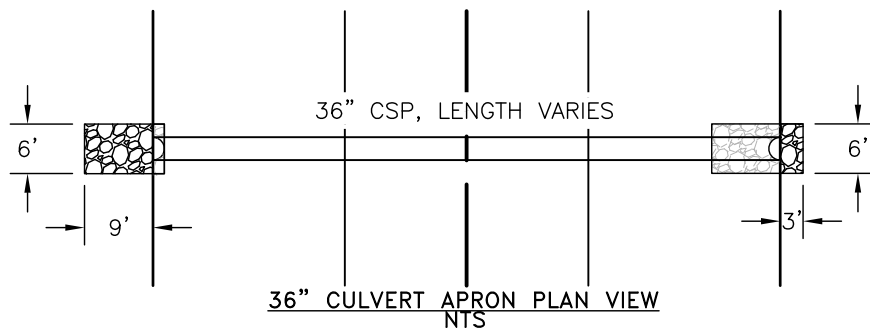
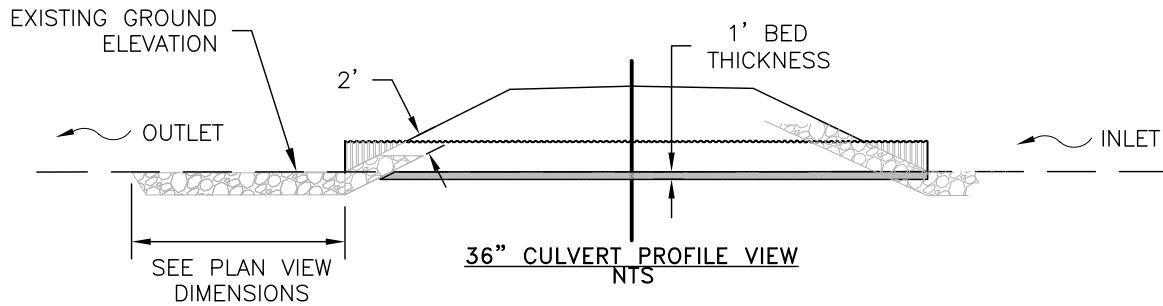
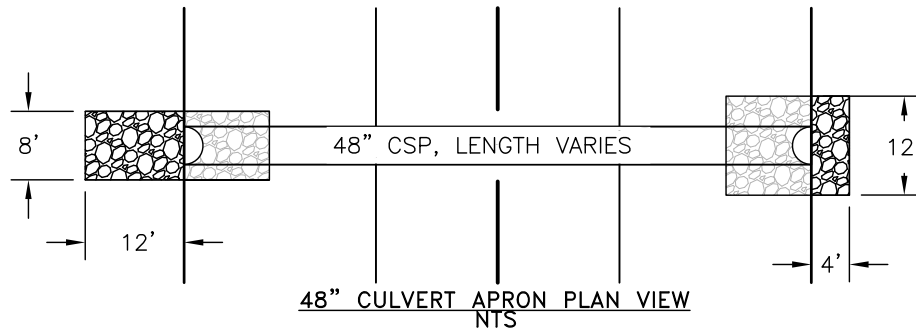
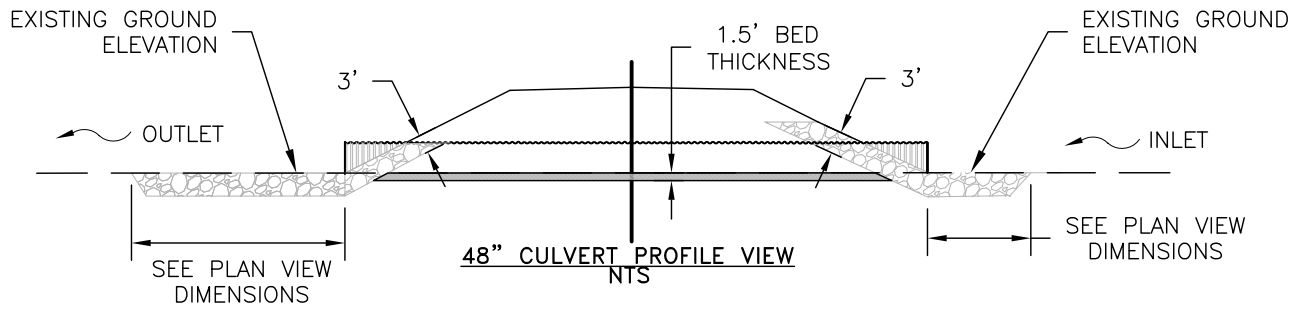


**SEGMENTED CIRCLE PAD TYPICAL SECTION**  
NTS

**NOTE**  
 10FT VEGETATIVE BUFFER IN AREAS THAT DO NOT DRAIN AWAY FROM PROJECT. FOR ALL OTHER AREAS THE VEGETATIVE BUFFER IS 25FT OR TO THE ROW WHICHEVER IS CLOSER.

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: AK DOT&PF, Northern Region 2301 Peger Rd. Fairbanks, Ak 99709	
MARSHALL AIRPORT IMPROVEMENT PROJECT PROJECT NUMBER: NFAPT00371	
APRON AND SEGMENTED CIRCLE TYPICAL SECTIONS	
DATE: NOVEMBER 2022	<b>Figure 13</b>





STATE OF ALASKA  
 Department of Transportation and Public Facilities  
 APPLICANT/AGENT: AK DOT&PF, Northern Region  
 2301 Peger Rd. Fairbanks, Ak 99709

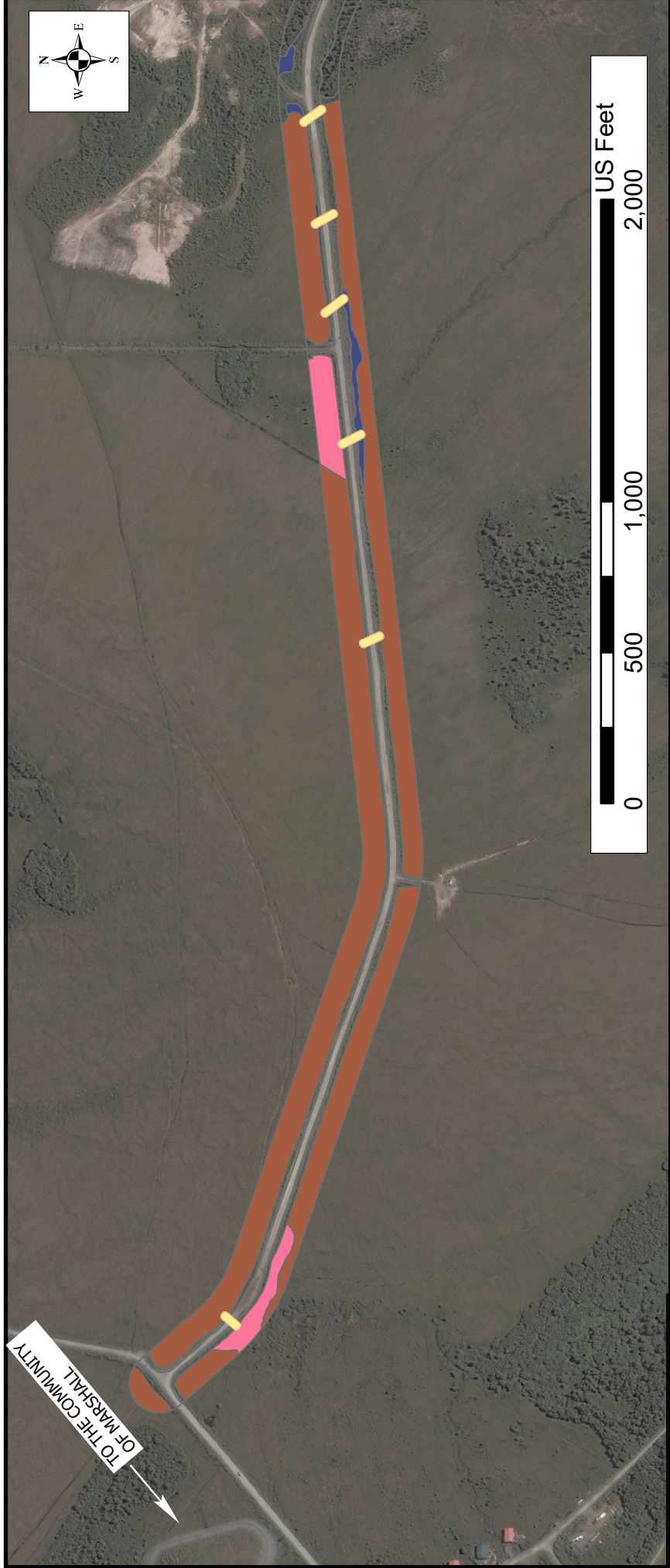
MARSHALL AIRPORT IMPROVEMENT PROJECT  
 PROJECT NUMBER: NFAPT00371

CULVERT APRON PLAN AND PROFILE VIEWS

DATE: JANUARY 2023

**Figure 14**





-  Culverts
- WETLAND TYPE**
- COWARDIN**
-  PEM1C
-  PEM1F
-  PSS1/3B
-  PSS1/EM1B
-  PSS1/EM1C
-  PSS1B
-  PSS1C
-  PSS3/1B
-  PSS3/EM1B
-  PUBH
-  R3UBH
-  Upland
- 

<b>STATE OF ALASKA</b> DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES Applicant/Agent: AK DOT&PF, Northern Region 2301 Peger Rd. Fairbanks, AK 99709	
<b>MARSHALL AIRPORT IMPROVEMENT PROJECT</b> PROJECT NUMBER: NFAPT00371	
WETLAND TYPE ON AIRPORT ACCESS ROAD (1 OF 2)	
DATE: DECEMBER 2022	Figure 15





Culverts

### WETLAND TYPE

#### COWARDIN

PEM1C

PEM1F

PSS1/3B

PSS1/EM1B

PSS1/EM1C

PSS1B

PSS1C

PSS3/1B

PSS3/EM1B

PUBH

R3UBH

Upland

<all other values>

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

Applicant/Agent: AK DOT&PF, Northern Region  
2301 Peger Rd. Fairbanks, AK 99709

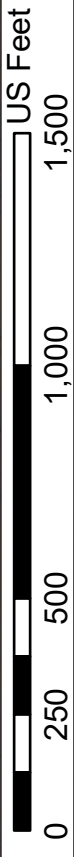
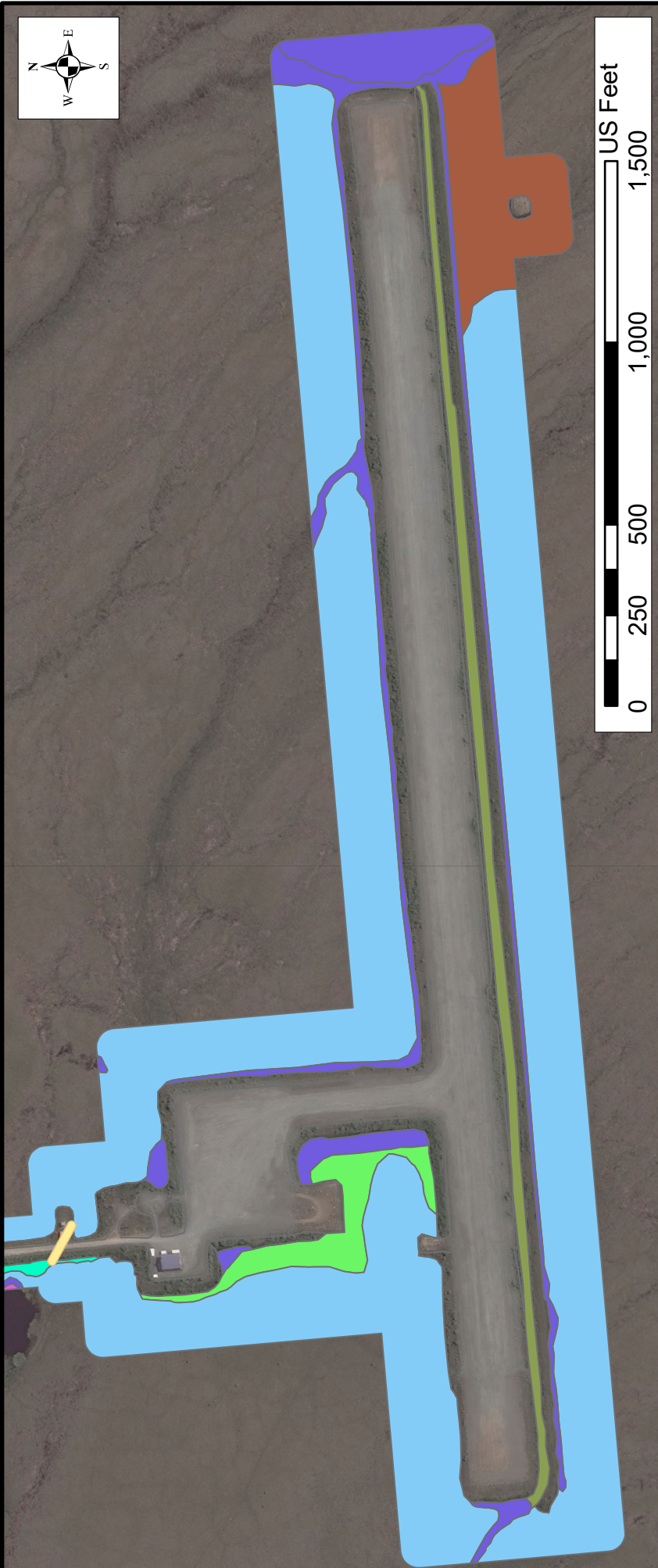
MARSHALL AIRPORT IMPROVEMENT PROJECT  
PROJECT NUMBER: NFAPT00371















WETLAND TYPE ON AIRPORT ACCESS ROAD (2 OF 2)

DATE: DECEMBER 2022

Figure 16





-  Culverts
- WETLAND TYPE**
- COWARDIN**
-  PEM1C
-  PEM1F
-  PSS1/3B
-  PSS1/EM1B
-  PSS1/EM1C
-  PSS1B
-  PSS1C
-  PSS3/1B
-  PSS3/EM1B
-  PUBH
-  R3UBH
-  Upland
-  <all other values>

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
Applicant/Agent: AK DOT&PF, Northern Region  
2301 Peger Rd. Fairbanks, AK 99709

MARSHALL AIRPORT IMPROVEMENT PROJECT  
PROJECT NUMBER: NFAPT00371

WETLAND TYPE AT AIRPORT

DATE: NOVEMBER 2022

Figure 17