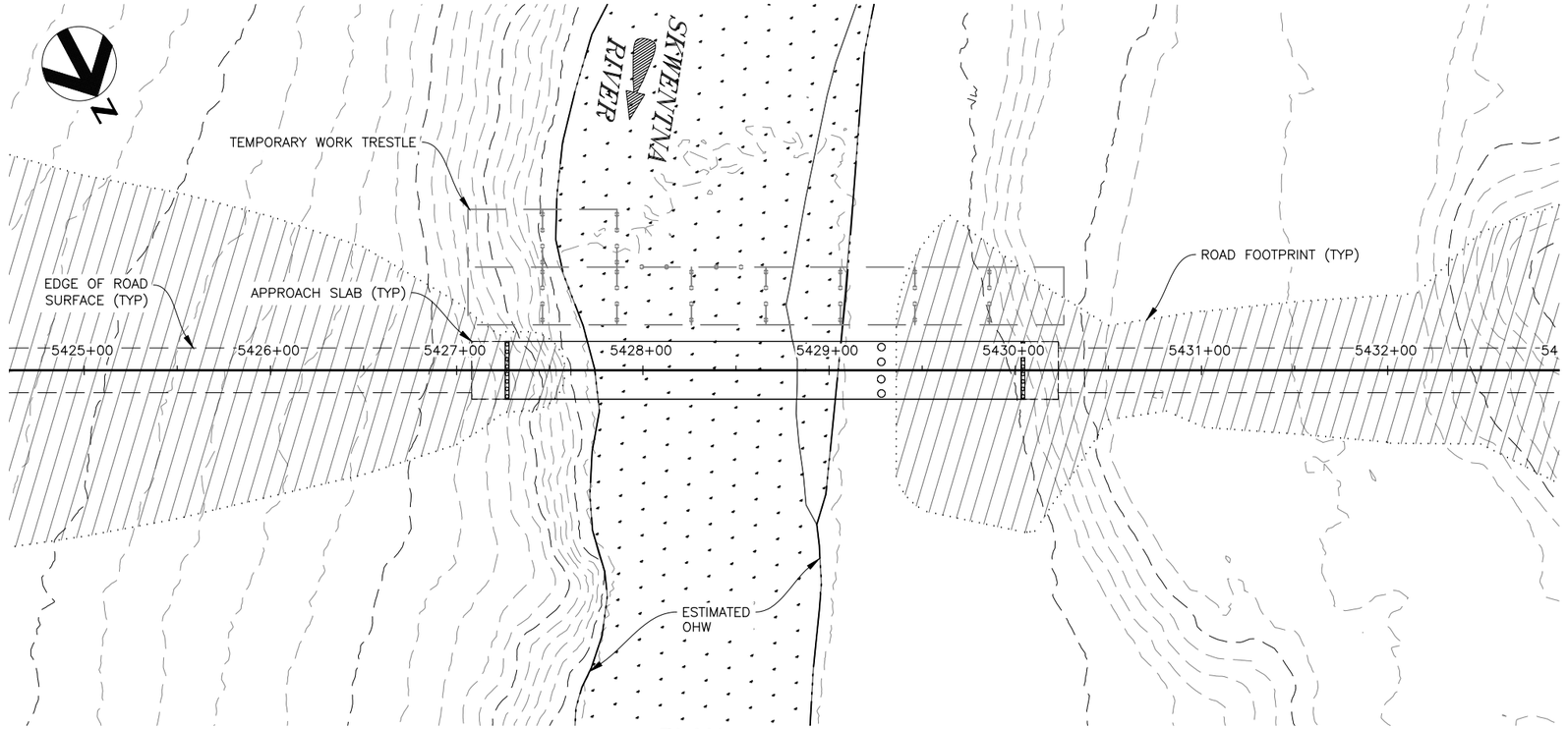
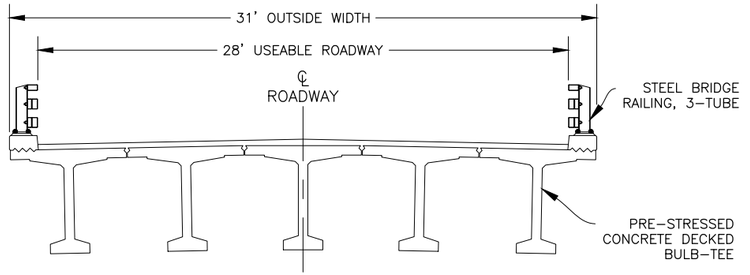


PLAN
SEE GRAPHIC SCALE

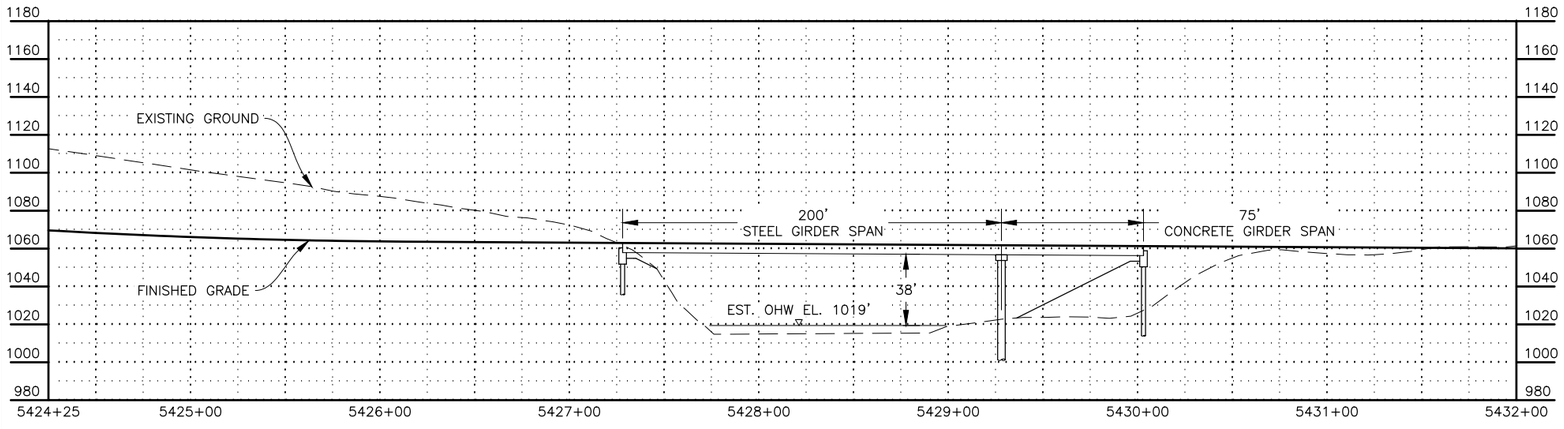
NOTES:

1. OHW IS BASED ON WETLAND AND WATERBODY MAPPING AND IS APPROXIMATE.
2. TEMPORARY WORK TRESTLE LAYOUT IS APPROXIMATE.
3. EROSION AND STORMWATER RUNOFF CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.
4. STREAM BATHYMETRY AT CROSSING IS APPROXIMATE.

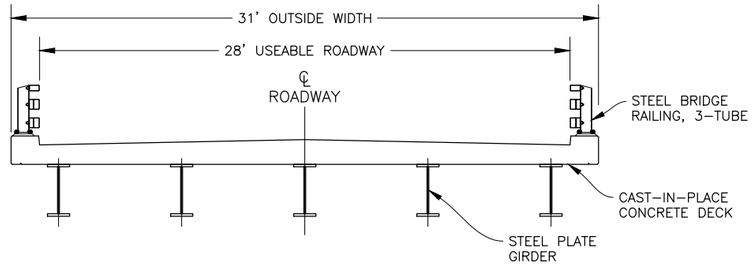


NOTE: CROSS–BRACING NOT SHOWN FOR CLARITY

TYPICAL CONCRETE SECTION
NOT TO SCALE



ELEVATION
SEE GRAPHIC SCALE



NOTE: CROSS–BRACING NOT SHOWN FOR CLARITY

TYPICAL STEEL SECTION
NOT TO SCALE

LEGEND:

W.O.T.U.S.

PROPOSED FILL AREA

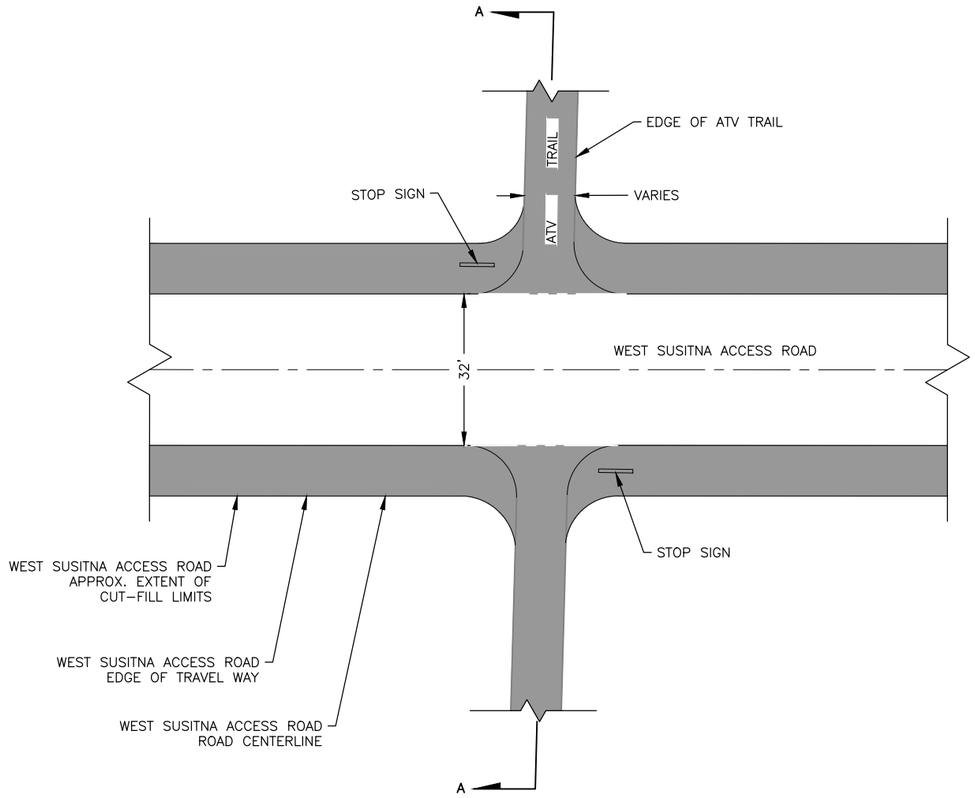
0 40 80 160 Feet
SCALE

WEST SUSITNA ACCESS PROJECT
APPLICANT: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY

LAT., LONG.: 61° 57' 41.61" N 152° 34' 40.61" W	PROPOSED ACTIVITY: ROAD CONSTRUCTION
WATERWAY: SKWENTNA RIVER	FILE NO.: POA

DRAWING TITLE: SKWENTNA RIVER BRIDGE No. 3

DATE: JULY 2025	FIGURE NO.: **BX-010**

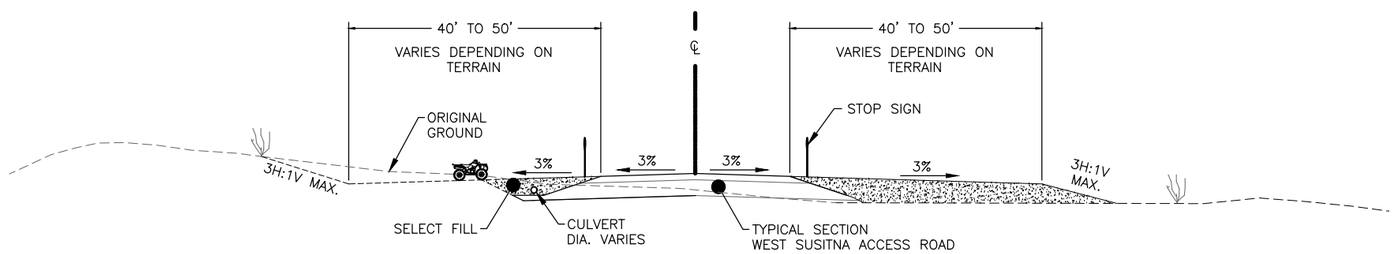


AT-GRADE TRAIL CROSSING - TYPICAL PLAN VIEW

NTS

NOTE:

1. EROSION AND STORMWATER RUNOFF CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.



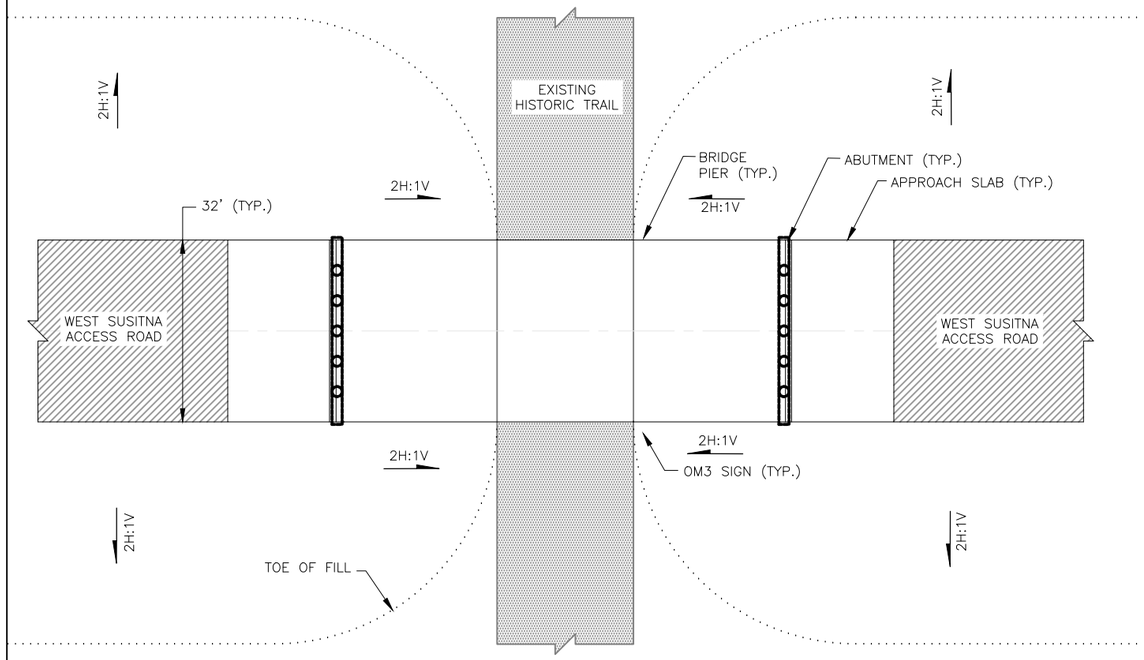
AT-GRADE TRAIL CROSSING - TYPICAL SECTION A-A

NTS

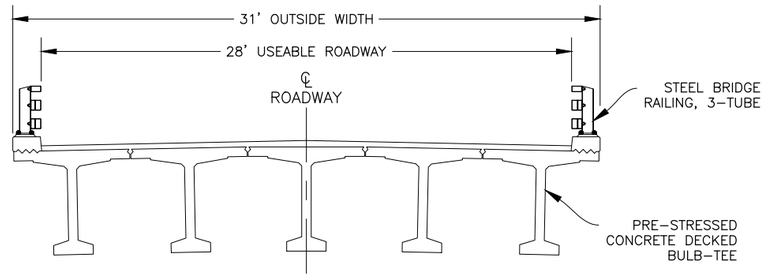
WEST SUSITNA ACCESS PROJECT APPLICANT: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY		DRAWING TITLE: TYPICAL AT-GRADE TRAIL CROSSING	
LAT., LONG.: VARIES	PROPOSED ACTIVITY: ROAD CONSTRUCTION		
WATERWAY: VARIES	FILE NO.: POA	DATE: JULY 2025	FIGURE NO.: TX-001

NOTE:

1. EROSION AND STORMWATER RUNOFF CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.

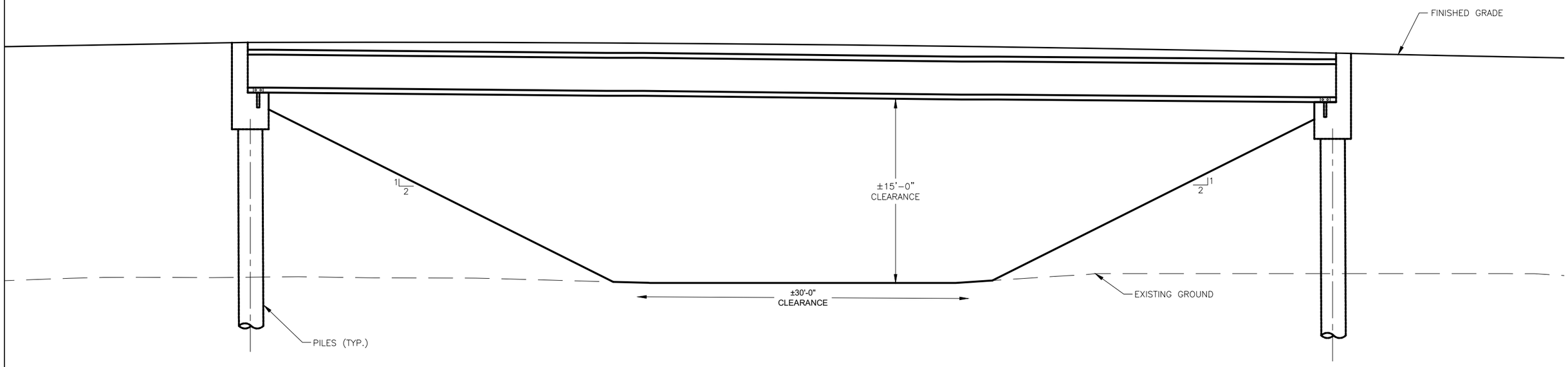


PLAN
SCALE NTS



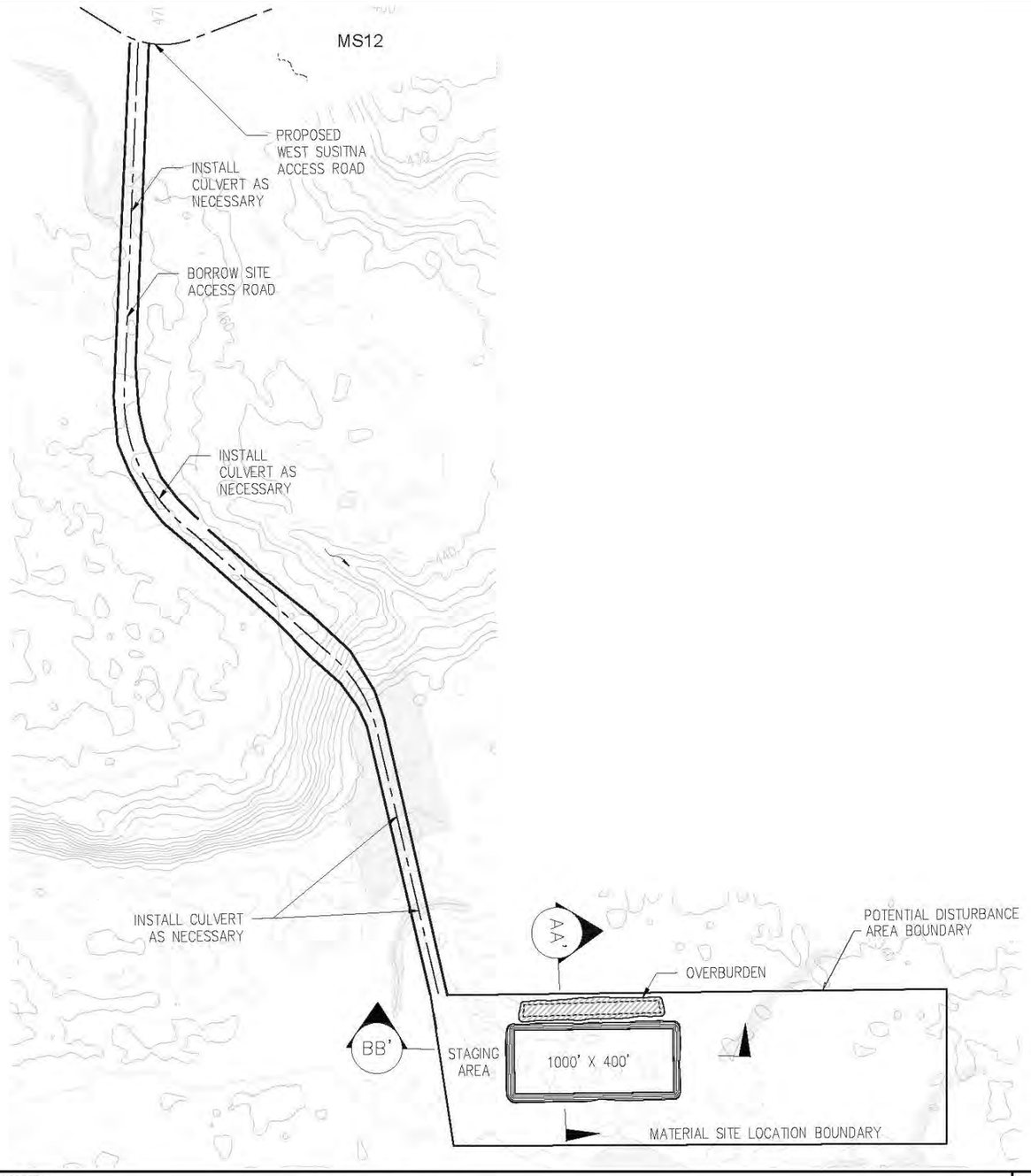
NOTE: CROSS–BRACING NOT SHOWN FOR CLARITY

TYPICAL SECTION
SCALE NTS



ELEVATION
SCALE NTS

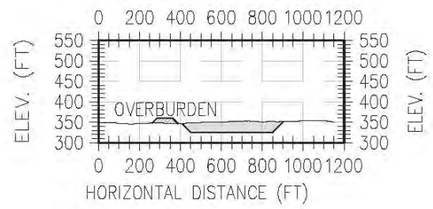
WEST SUSITNA ACCESS PROJECT APPLICANT: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY		DRAWING TITLE: TYPICAL BRIDGE TRAIL CROSSING	
LAT., LONG.: VARIES	PROPOSED ACTIVITY: ROAD CONSTRUCTION		
WATERWAY: VARIES	FILE NO.: POA	DATE: JULY 2025	FIGURE NO.: TX-002



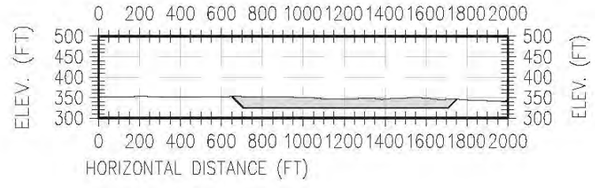
NOTES:

1. MATERIAL SITE ID: **MS12**
2. MATERIAL SITE TYPE: GRAVEL BORROW
3. ESTIMATED VOLUME ~400,000 TO ~425,000 CYDS.
4. LOCATED AT APPROXIMATELY MP **46** OF THE PROPOSED ACCESS ROAD.
5. THE DESIGN IS CONCEPTUAL AND TYPICAL OF BORROW SITES. SITE TO BE CONSTRUCTED WITH ACCESS ROAD.
6. CONTOURS DEVELOPED FROM PUBLICLY AVAILABLE IFSAR DATA FROM THE STATE OF ALASKA.
7. ALL DIMENSIONS AND ELEVATIONS ARE IN FEET.
8. MATERIAL SITE AND OVERBURDEN STORAGE SHOWN ARE APPROXIMATE. EXACT SITE WITHIN THE MATERIAL SITE LOCATION BOUNDARY WILL BE BASED ON ADDITIONAL GEOTECHNICAL INVESTIGATION.
9. EROSION AND STORMWATER CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.
10. SIDE SLOPES ON OVERBURDEN PILES WILL BE 2H:1V.

MS12 – AA'
1" = 800'
VERTICAL EXAGGERATION: 2X



MS12 – BB'
1" = 800'
VERTICAL EXAGGERATION: 2X

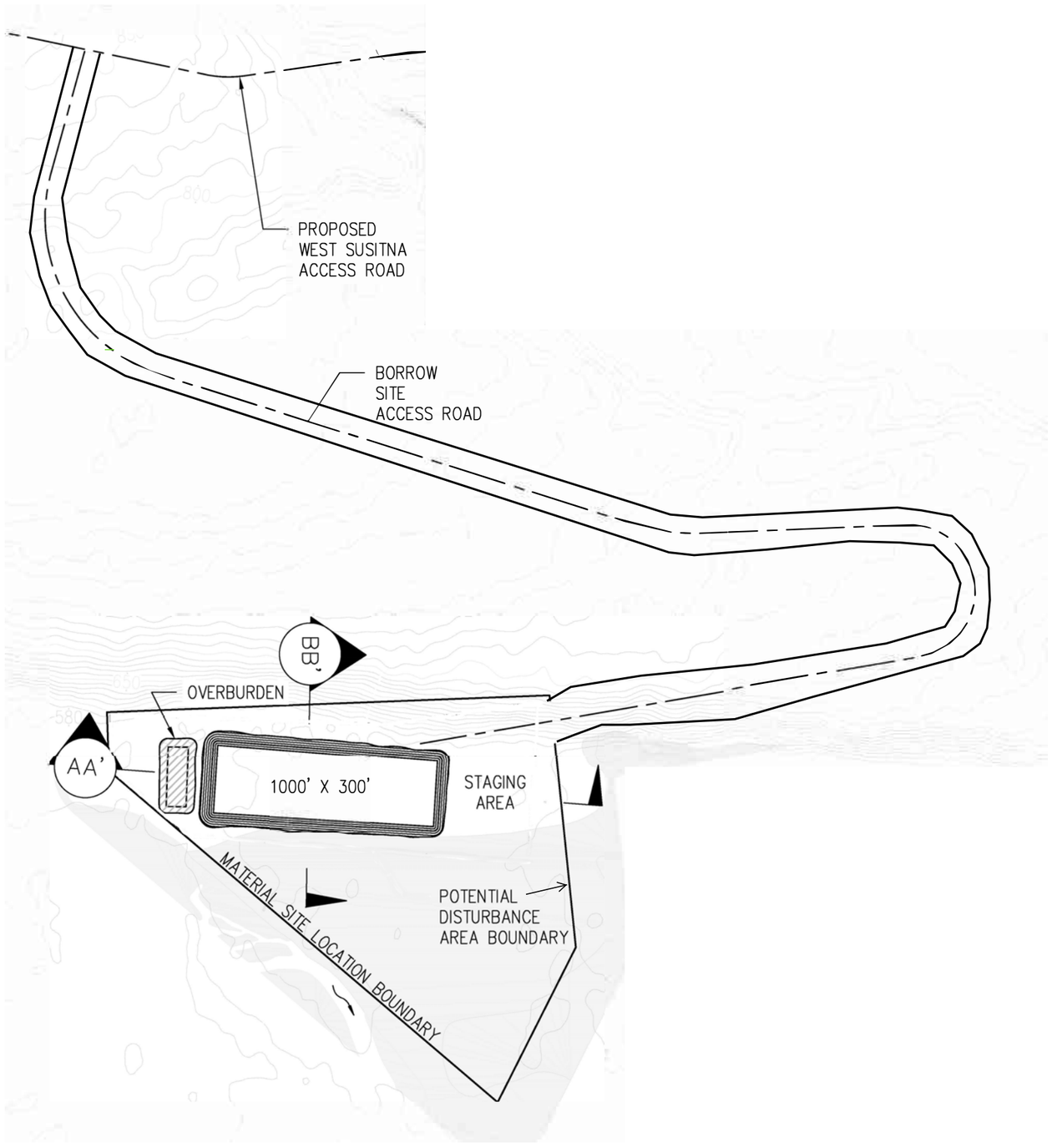


LEGEND:

- EXISTING 10' CONTOURS
- PROPOSED 5' CONTOURS
- OVERBURDEN STORAGE
- EXCAVATED MATERIAL
- MAPPED WETLANDS
- MATERIAL SITE LOCATION BOUNDARY
- PROPOSED ROAD CL
- MAPPED DRAINAGES
- POTENTIAL DISTURBANCE AREA BOUNDARY
- DRAINAGE FLOW DIRECTION

WEST SUSITNA ACCESS PROJECT
APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

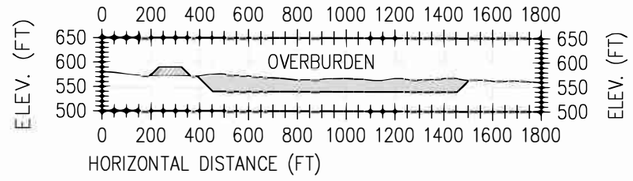
LAT., LONG.: VARIES	PROPOSED ACTIVITY: ROAD CONSTRUCTION	DRAWING TITLE: MATERIAL SITE 12	
WATERWAY: VARIES	FILE NO.: POA	DATE: July 2025	FIGURE NO.: MS-001



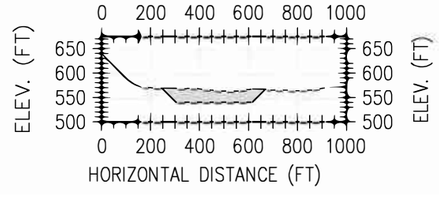
NOTES:

1. MATERIAL SITE ID: MS13
2. MATERIAL SITE TYPE: GRAVEL BORROW
3. ESTIMATED VOLUME ~390,000 TO ~415,000 CYDS.
4. LOCATED AT APPROXIMATELY MP 59 OF THE PROPOSED ACCESS ROAD.
5. THE DESIGN IS CONCEPTUAL AND TYPICAL OF BORROW SITES. SITE TO BE CONSTRUCTED WITH ACCESS ROAD.
6. CONTOURS DEVELOPED FROM PUBLICLY AVAILABLE IFSAR DATA FROM THE STATE OF ALASKA.
7. ALL DIMENSIONS AND ELEVATIONS ARE IN FEET.
8. MATERIAL SITE AND OVERBURDEN STORAGE SHOWN ARE APPROXIMATE. EXACT SITE WITHIN THE MATERIAL SITE LOCATION BOUNDARY WILL BE BASED ON ADDITIONAL GEOTECHNICAL INVESTIGATION.
9. EROSION AND STORMWATER CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.
10. SIDE SLOPES ON OVERBURDEN PILES WILL BE 2H:1V.

MS13 – AA'
1" = 700'
VERTICAL EXAGGERATION: 2X



MS13 – BB'
1" = 700'
VERTICAL EXAGGERATION: 2X



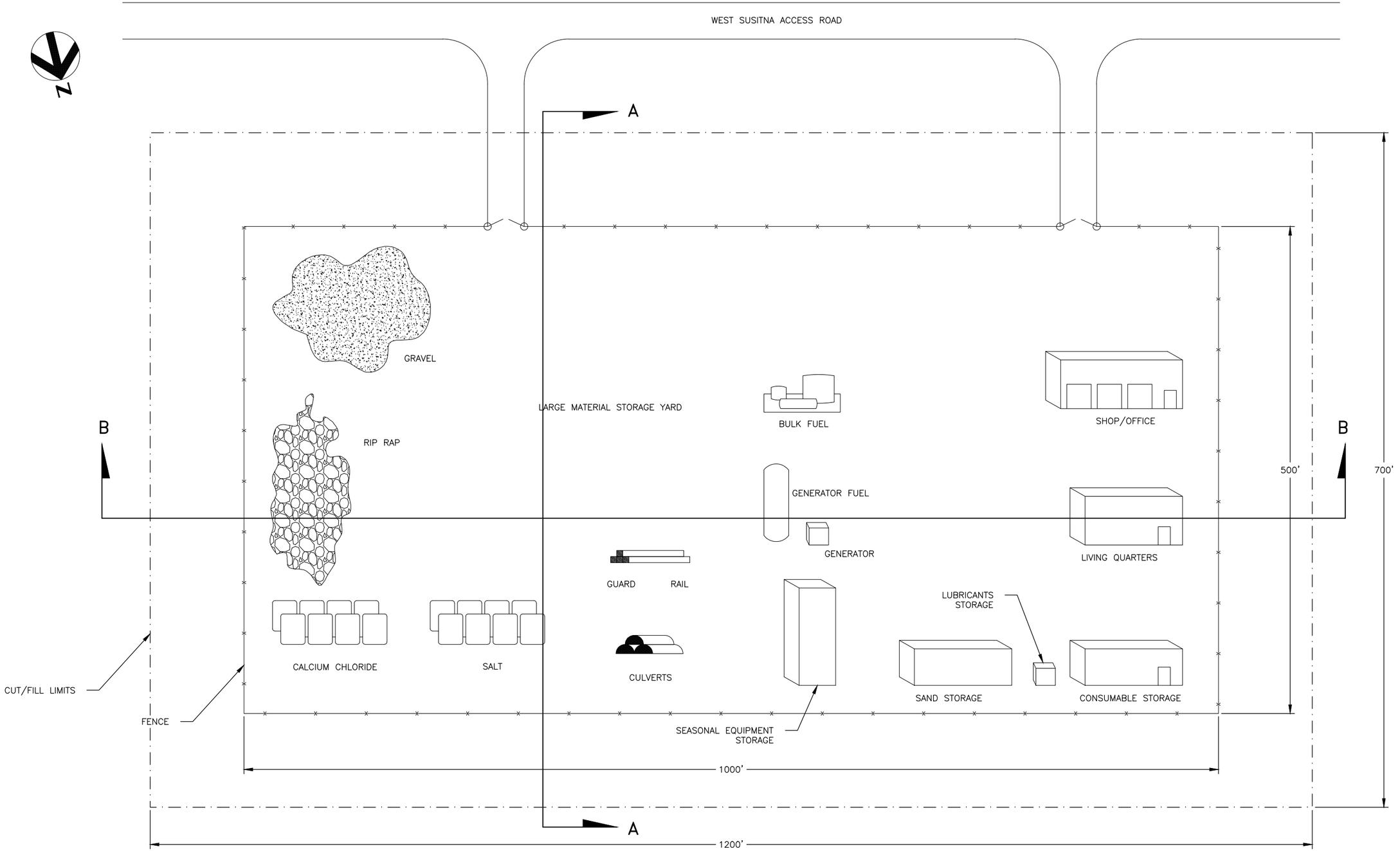
LEGEND:

- EXISTING 10' CONTOURS
- PROPOSED 5' CONTOURS
- OVERBURDEN STORAGE
- EXCAVATED MATERIAL
- MAPPED WETLANDS
- MATERIAL SITE LOCATION BOUNDARY
- PROPOSED ROAD CL
- MAPPED DRAINAGES
- POTENTIAL DISTURBANCE AREA BOUNDARY
- DRAINAGE FLOW DIRECTION

WEST SUSITNA ACCESS PROJECT
APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

DRAWING TITLE:
MATERIAL SITE 13

LAT., LONG.	PROPOSED ACTIVITY:	DATE:	FIGURE NO.
VARIES	**ROAD CONSTRUCTION**	July 2025	**MS-002**
WATERWAY: **VARIES**	FILE NO. POA		



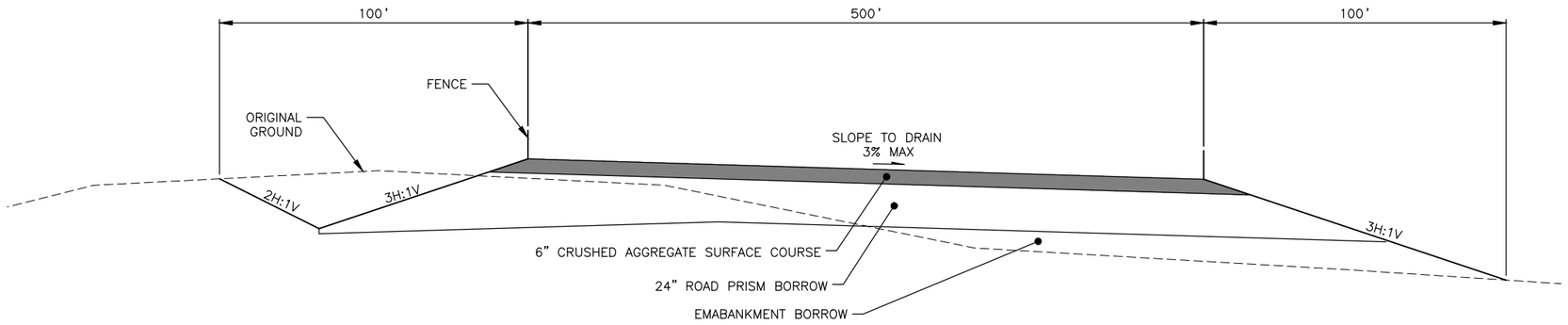
MAINTENANCE FACILITY - PLAN VIEW

NTS

NOTE:

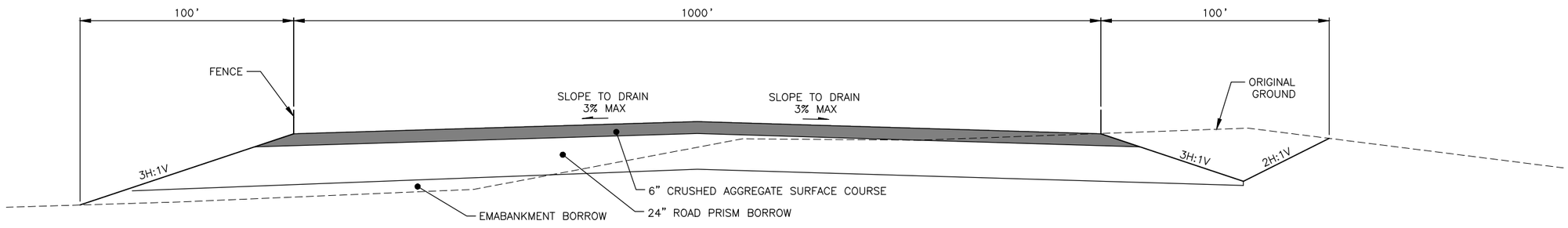
1. EROSION AND STORMWATER RUNOFF CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.

WEST SUSITNA ACCESS PROJECT APPLICANT: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY		DRAWING TITLE: MAINTENANCE FACILITY LAYOUT PLAN	
LAT., LONG.: VARIES	PROPOSED ACTIVITY: ROAD CONSTRUCTION		
WATERWAY: VARIES	FILE NO.: POA	DATE: JULY 2025	FIGURE NO.: OF-001



MAINTENANCE FACILITY SECTION A-A

NTS



MAINTENANCE FACILITY SECTION B-B

NTS

NOTE:

1. EROSION AND STORMWATER RUNOFF CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.

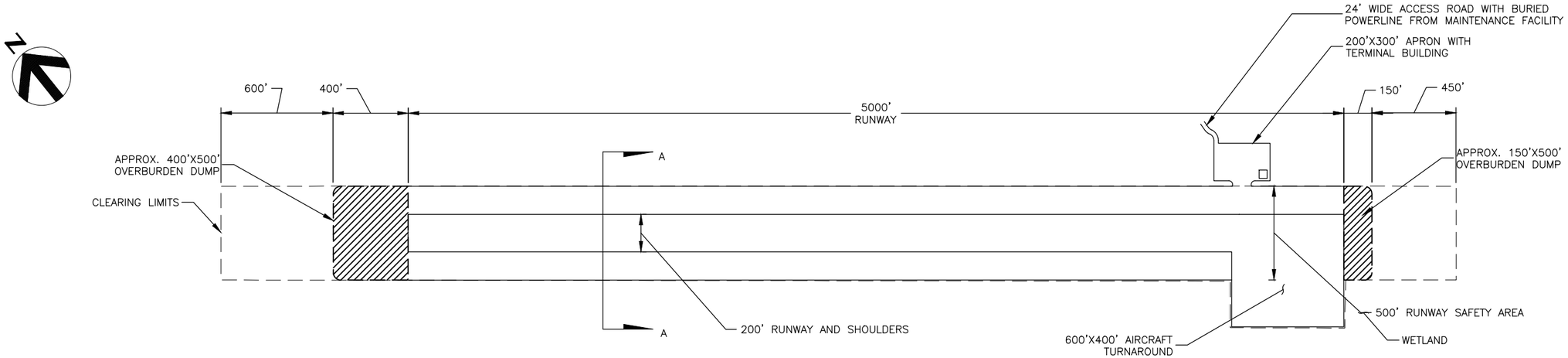
WEST SUSITNA ACCESS PROJECT

APPLICANT: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY

LAT., LONG.	PROPOSED ACTIVITY:
VARIES	ROAD CONSTRUCTION
WATERWAY: VARIES	**FILE NO.** POA

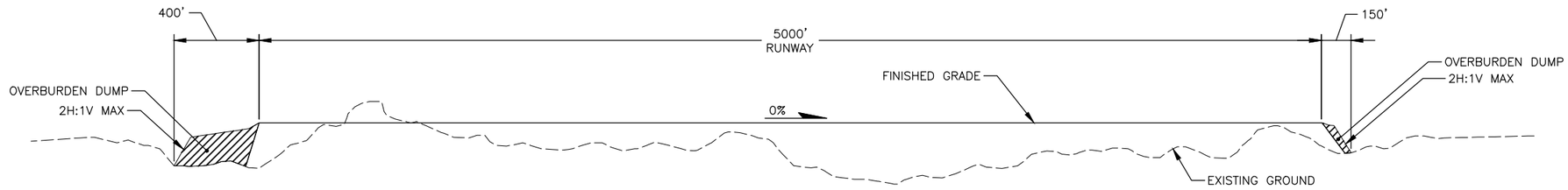
DRAWING TITLE: MAINTENANCE FACILITY SECTIONS

DATE:	FIGURE NO.
JULY 2025	**OF-002**



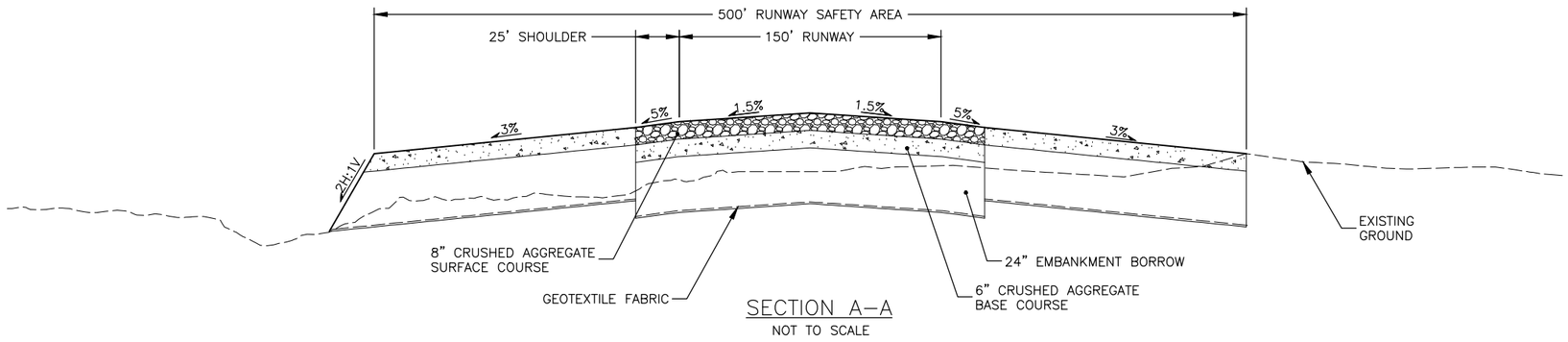
PLAN

NOT TO SCALE



RUNWAY CENTERLINE PROFILE

NOT TO SCALE



SECTION A–A

NOT TO SCALE

NOTES:

1. EROSION AND STORMWATER RUNOFF CONTROL MEASURES AND STABILIZATION OF DISTURBED AREAS WILL BE IMPLEMENTED AS NECESSARY AND IN ACCORDANCE WITH BEST PRACTICES.

WEST SUSITNA ACCESS PROJECT APPLICANT: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY		DRAWING TITLE: TYPICAL AIRSTRIP	
LAT., LONG.: VARIES	PROPOSED ACTIVITY: ROAD CONSTRUCTION		
WATERWAY: NA	FILE NO.: POA	DATE: JULY 2025	FIGURE NO.: AS-001

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Appendix B

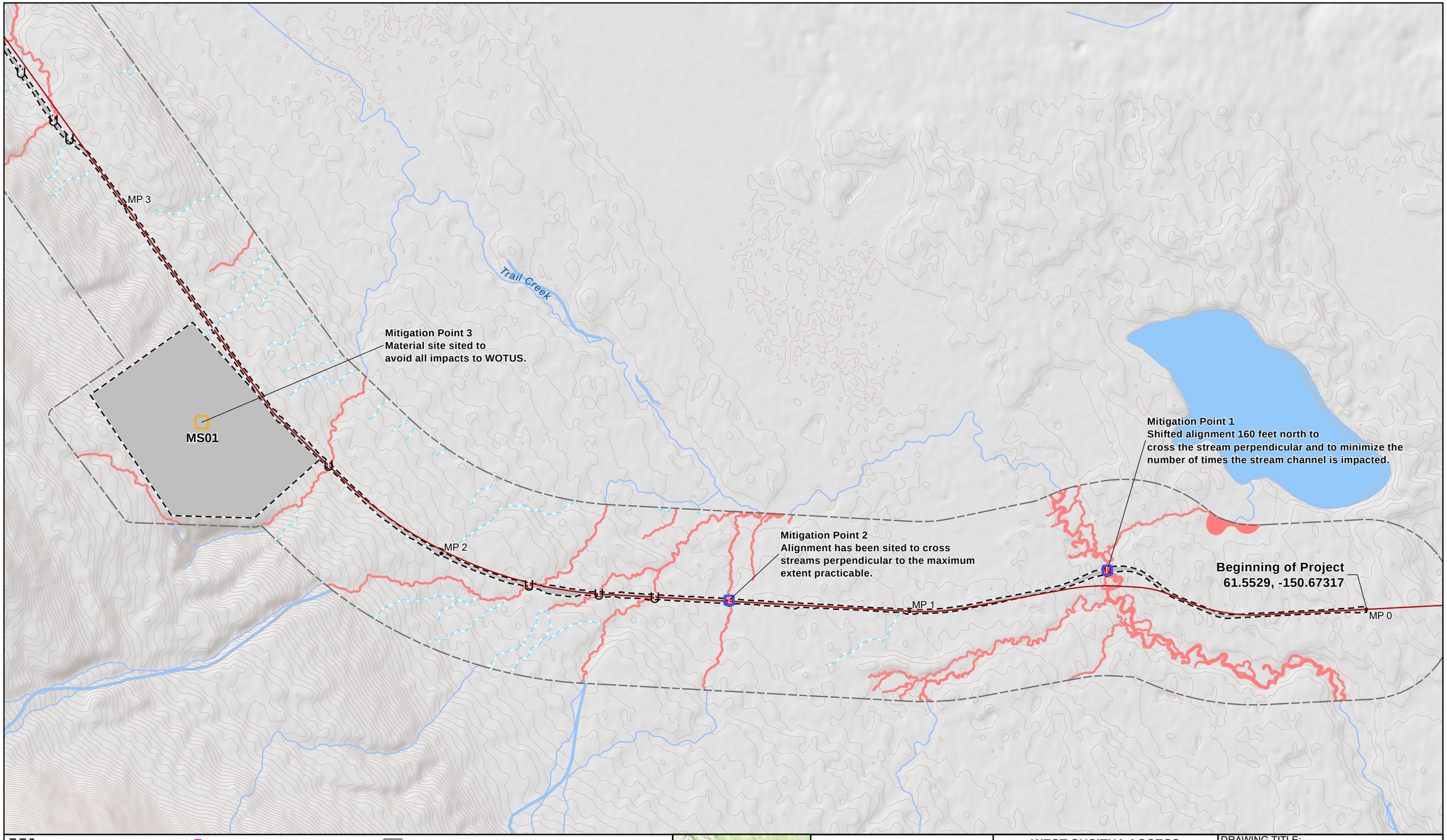
Avoidance and Minimization Table and Map Set

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Avoidance and Minimization Table

Mitigation Point ID	Avoidance Measure	Minimization Measure	Perpendicular Stream Crossing	Other Mitigation Measures	Avoidance and Minimization Detail
1		X	X		Shifted alignment 160 feet north to cross the stream perpendicular and to minimize the number of times the stream channel is impacted.
2		X	X		Alignment has been sited to cross streams perpendicular to the maximum extent practicable.
3	X				Material site sited to avoid all impacts to WOTUS.
4	X				Material site sited to avoid impacts to WOTUS.
5	X				Material site avoids impacts to WOTUS.
6		X			Alignment shifted 400 feet to the southwest to avoid multiple impacts to the same stream channel.
7	X		X		Shifted alignment 500 feet southwest to avoid wetlands at bridge crossing and to avoid cultural resources.
8	X				Material site avoids impacts to WOTUS.
9		X	X		Shifted alignment 130 feet to the southwest to cross stream perpendicular and avoid multiple crossings.
10	X				Material site avoids impacts to WOTUS.
11	X				Bridge crossing designed to avoid impacts to WOTUS.
12			X		Shifted alignment 260 to the west to cross stream perpendicularly.
13	X				Material site avoids impacts to WOTUS.
14	X				Bridge crossing and water extraction site designed to avoid fill placement in WOTUS.
15		X			Shifted alignment avoids multiple stream crossings.
16	X				Bridge has been designed to avoid impacts to WOTUS.
17	X				Material site avoids impacts to WOTUS.
18		X	X		Shifted alignment 950 feet to the east to avoid an additional stream crossing, to cross at narrowest section of wetland, and to avoid multiple Donlin pipeline crossings.
19	X				Material site sited to avoid wetlands.
20	X				Water Extraction SIte sited to avoid impacts to WOTUS.
21			X		Shifted alignment 200 feet to the northeast to cross stream perpendicular.
22	X				Material site avoids impacts to WOTUS.
23	X	X			South Skwentna Alternative not selected. Avoided crossing Hayes River and co-locates impacts with Donlin pipeline.
24			X	X	Shifted alignment 460 feet to the east to avoid cultural resources and cross stream perpendicular.
25	X				Material site avoids impacts to WOTUS.
26	X				Eliminated Water Extraction Site to minimize impacts to WOTUS.
27		X			Shifted alignment 1,200 feet to the west to minimize impacts to jurisdictional streams.
28	X				Shifted alignment 4,600 feet to the west to cross Skwentna at narrow location with no adjacent wetlands.
29	X				Shifted alignment at this corner to avoid impacts to WOTUS.
30	X				Water Extraction Site avoids impacts to WOTUS.
31	X				Shifted alignment 1,600 feet to the west to avoid WOTUS and stream crossings.
32		X			Maximized use of uplands for siting Shell Creek Airstrip and Maintenance Station. Avoids all impacts to WOTUS.
33	X				Material site avoids impacts to WOTUS.

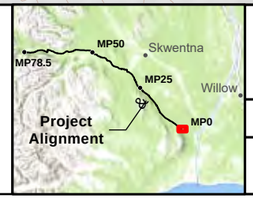
Mitigation Point ID	Avoidance Measure	Minimization Measure	Perpendicular Stream Crossing	Other Mitigation Measures	Avoidance and Minimization Detail
34		X	X		Shifted alignment 660 feet to the south to minimize the number channels crossed and to cross stream perpendicular.
35	X				Shifted alignment 890 feet southwest to avoid large wetland complex and jurisdictional stream.
36	X				Shifted alignment 410 south to avoid stream crossing.
37			X		Shifted alignment 460 feet to the southeast to cross stream perpendicular.
38	X				Water Extraction Site avoids impacts to WOTUS.
39		X	X		Shifted stream crossing 1,000 feet to the west to avoid multiple crossings of same stream channel and to cross stream perpendicular.
40		X			Shifted alignment 250 feet to the west to minimize impacts to stream channel.
41		X	X		Shifted alignment 230 feet to the south to avoid multiple crossings of same stream channel and cross wetlands at narrowest section.
42		X	X		Shifted alignment 715 feet north to minimize number of stream crossings.
43	X		X		Shifted alignment 820 feet to the south to avoid crossing large wetland complex.
44		X	X		Shifted stream crossing 1,100 feet to the southwest to cross stream perpendicular and to minimize wetland impact.
45	X				Water Extraction Site avoids impacts to WOTUS.
46		X	X		Shifted alignment 1,600 feet south to cross stream perpendicular. Bridge crossing designed to avoid all impacts to WOTUS.
47	X				Shifted alignment to avoid impacts to WOTUS.
48	X				Shifted alignment 1,600 feet to the south to avoid impacts to WOTUS.
49	X	X	X	X	Shifted alignment multiple times to avoid cultural resources to the south and a non-perpendicular stream crossing.
50		X	X		Shifted alignment 950 feet south to avoid multiple stream crossings.
51	X				Water Extraction SIte avoids impacts to WOTUS.
52		X	X		Shifted crossing 870 feet to the south to cross perpendicular.
53	X		X		Sited alignment to cross Skwentna River perpendicular and avoid embankment fill in WOTUS.
54	X			X	Material site avoids impacts to WOTUS.
55		X	X		Sited alignment to cross Chickak River perpendicular and at narrow location.
56	X				Shifted alignment to minimize impacts to wetlands.
57	X				Water extraction site avoids impacts to WOTUS.
58	X				Material site avoids impacts to WOTUS.
59		X			Alignment sited to cross wetlands at narrow location.
60	X				Material site avoids impacts to WOTUS.
61	X				Bridge crossing designed to avoid impacts to WOTUS.
62	X	X			Road connects to existing infrastructure to minimize additional impacts to wetlands.
63	X				Project uses existing road to access material site in order to avoid an additional stream crossing.
64	X				Material site avoids impacts to WOTUS.



Permanent Disturbance Limit
Project Milepost
Original WSA Route Centerline (2019)
Avoidance Measure
Minimization Measure

Perpendicular Crossing
Stream Culvert
Fish Passage Culvert
10' Contour (existing)
USGS Stream (outside mapping limits)
USGS Waterbody (outside mapping limits)

Wetland Mapping Limit
Jurisdictional Wetland and Water Impact
Jurisdictional Wetland and Water
Intermittent Mapped Stream
Perennial Mapped Stream



Z 0 400 800 1,200 Feet

1:12,000

NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-001**

Wolverine Creek

Trail Creek

Mitigation Point 8
Material site avoids impacts to WOTUS.

MS04

Mitigation Point 7
Shifted alignment 500 feet southwest to avoid wetlands at bridge crossing and to avoid cultural resources.

MP 4

MP 5

MS03

MS02

MP 6

Mitigation Point 5
Material site avoids impacts to WOTUS.

Mitigation Point 4
Material site sited to avoid impacts to WOTUS.

Mitigation Point 6
Alignment shifted 400 feet to the southwest to avoid multiple impacts to the same stream channel.

Mitigation Point 9
Shifted alignment 130 feet to the southwest to cross stream perpendicular and avoid multiple crossings.

- Permanent Disturbance Limit
- Temporary Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Avoidance Measure
- Minimization Measure
- Perpendicular Crossing
- F Bridge
- U Fish Passage Culvert
- Water Extraction Site
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- USGS Waterbody (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



0 400 800 1,200 Feet

1:12,000

NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-002**

Mitigation Point 10
Material site avoids
impacts to WOTUS.

MS05

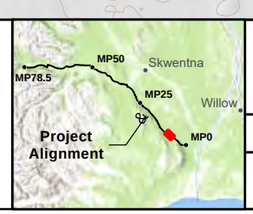
MP 9

MP 8

MP 7

Mitigation Point 11
Bridge crossing designed
to avoid impacts to WOTUS.

- Permanent Disturbance Limit
- Temporary Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Avoidance Measure
- F Bridge
- U Fish Passage Culvert
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



0 400 800 1,200 Feet

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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE:
WETLAND AVOIDANCE AND MINIMIZATION

DATE: **JULY 2025**

FIGURE NO. **A-003**

MP 15

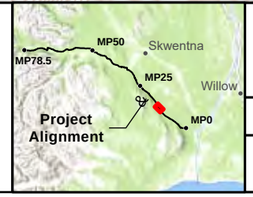
MP 14

Mitigation Point 12
Shifted alignment 260 to the west to cross stream perpendicularly.

MP 13

MP 12

- Permanent Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Perpendicular Crossing
- Stream Culvert
- Fish Passage Culvert
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



0 400 800 1,200 Feet

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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

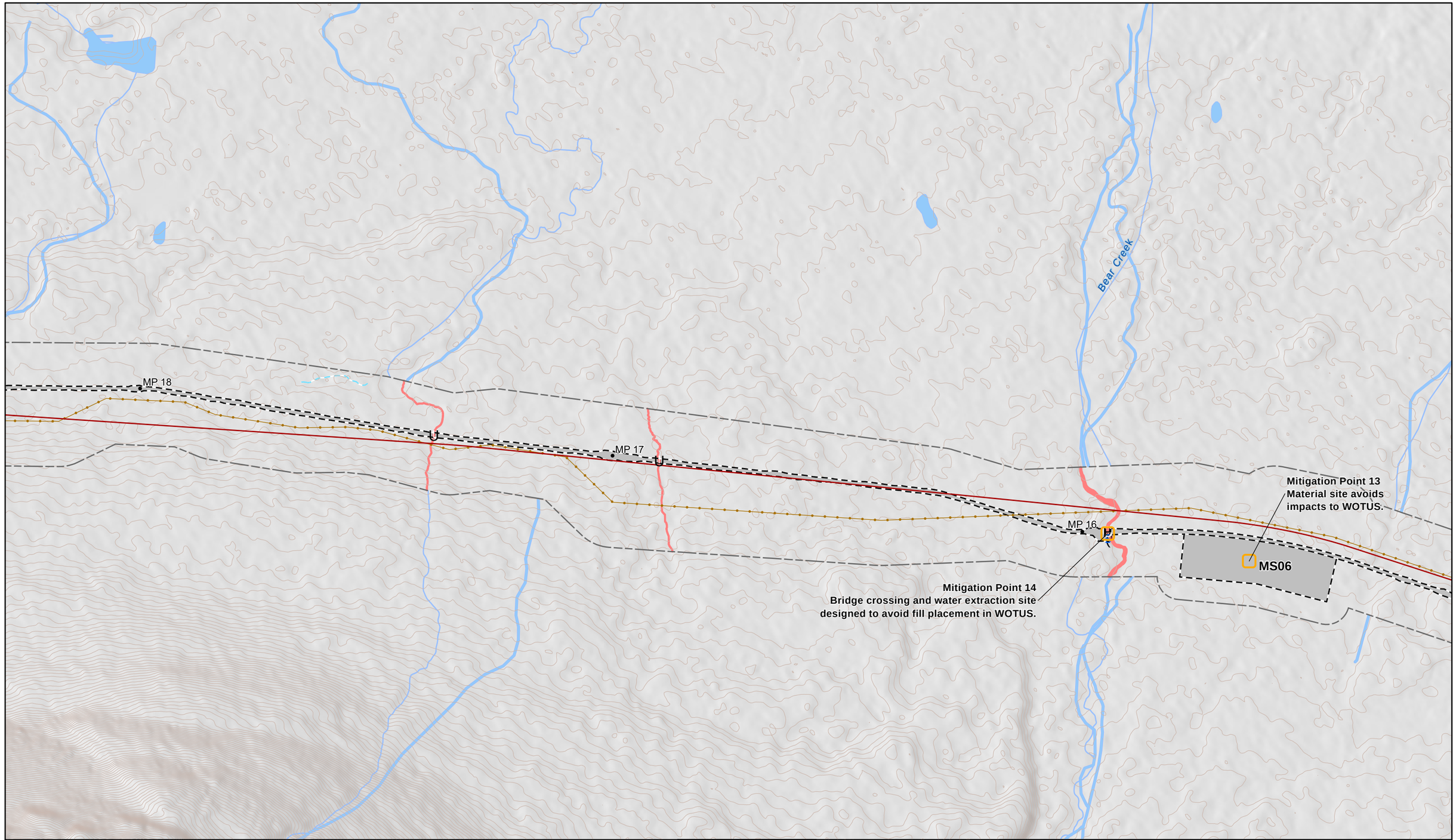
WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-004**



Permanent Disturbance Limit
Temporary Disturbance Limit
Project Milepost
Original WSA Route Centerline (2019)
Proposed Donlin Pipeline

Avoidance Measure
F Bridge
U Fish Passage Culvert
Water Extraction Site
10' Contour (existing)

USGS Stream (outside mapping limits)
Wetland Mapping Limit
Jurisdictional Wetland and Water Impact
Jurisdictional Wetland and Water
Intermittent Mapped Stream
Perennial Mapped Stream



0 400 800 1,200 Feet

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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-005**

Clear Creek

Mitigation Point 16
Bridge has been designed to avoid impacts to WOTUS.

Mitigation Point 15
Shifted alignment avoids multiple stream crossings.

Mitigation Point 17
Material site avoids impacts to WOTUS.

MS07

MP 21

MP 22

MP 23

Texas Creek

- Permanent Disturbance Limit
- Temporary Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Avoidance Measure
- Minimization Measure
- F Bridge
- Stream Culvert
- U Fish Passage Culvert
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

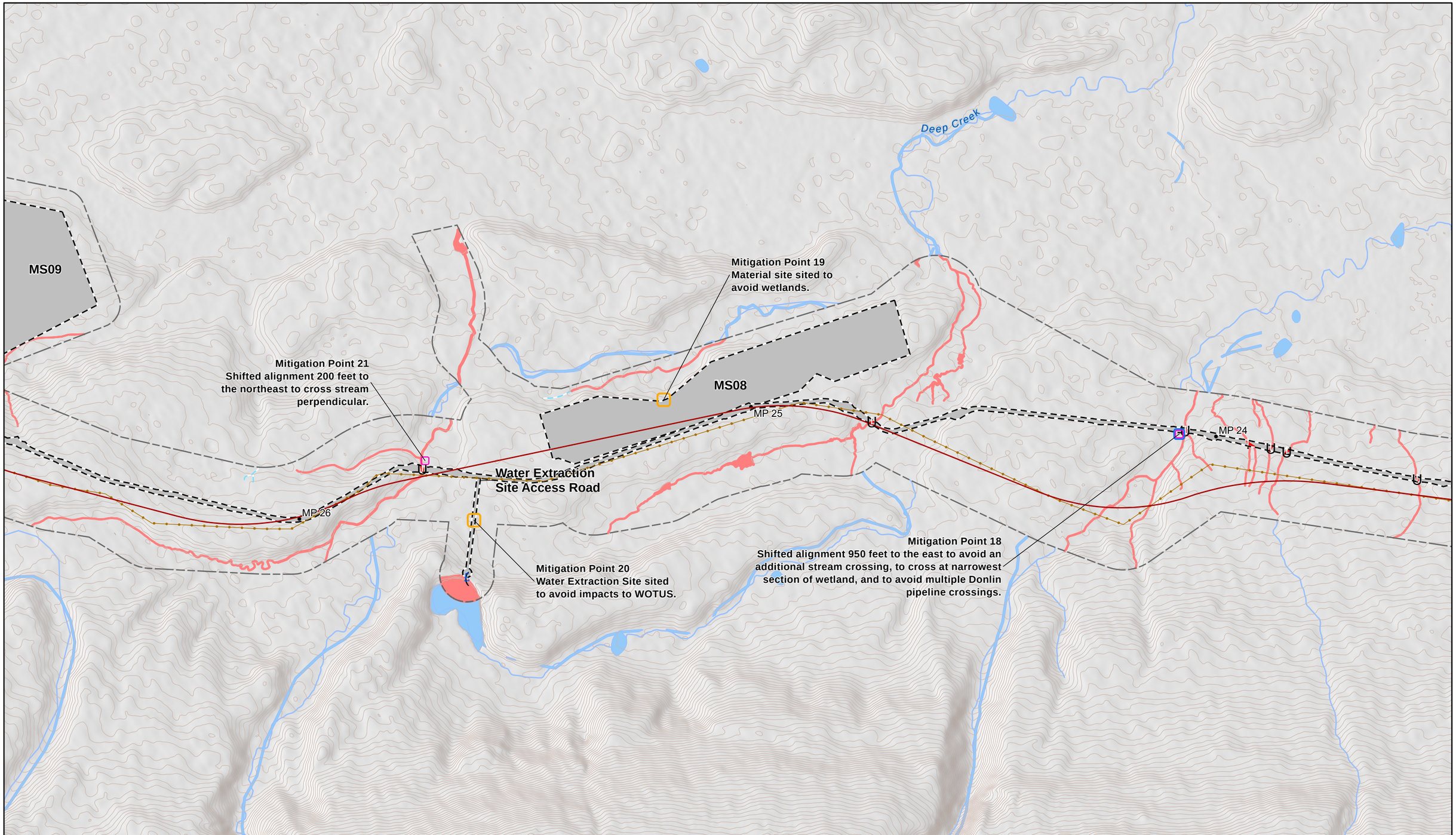
WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-006**



- Permanent Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Avoidance Measure
- Minimization Measure
- Perpendicular Crossing
- Stream Culvert
- U Fish Passage Culvert
- Water Extraction Site
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- USGS Waterbody (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



0 400 800 1,200 Feet

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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-007**

MP 30

MP 29

MP 28

MP 27

MS10

MS09

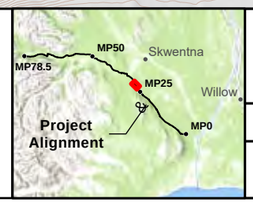
Mitigation Point 25
Material site avoids impacts to WOTUS.

Mitigation Point 24
Shifted alignment 460 feet to the east to avoid cultural resources and cross stream perpendicular.

Mitigation Point 22
Material site avoids impacts to WOTUS.

Mitigation Point 23
South Skwentna Alternative not selected. Avoided crossing Hayes River and co-locates impacts with Donlin pipeline.

- Permanent Disturbance Limit
- Temporary Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Avoidance Measure
- Minimization Measure
- Perpendicular Crossing
- Other Mitigation Measure
- F Bridge
- . Stream Culvert
- U Fish Passage Culvert
- Water Extraction Site
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- USGS Waterbody (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream



0 400 800 1,200 Feet

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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-008**

Winter Access
Only Ice Route

Winter Access Route
Skwentna River Bypass

MP 32

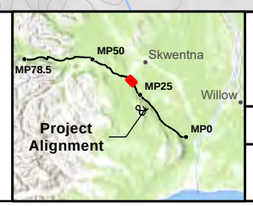
MP 31

MP 33

Mitigation Point 27
Shifted alignment 1,200 feet to the west to
minimize impacts to jurisdictional streams.

Mitigation Point 26
Eliminated Water Extraction Site
to minimize impacts to WOTUS.

- Permanent Disturbance Limit
- Temporary Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Avoidance Measure
- Minimization Measure
- Stream Culvert
- Fish Passage Culvert
- Ice Route
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- USGS Waterbody (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



0 400 800 1,200 Feet

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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

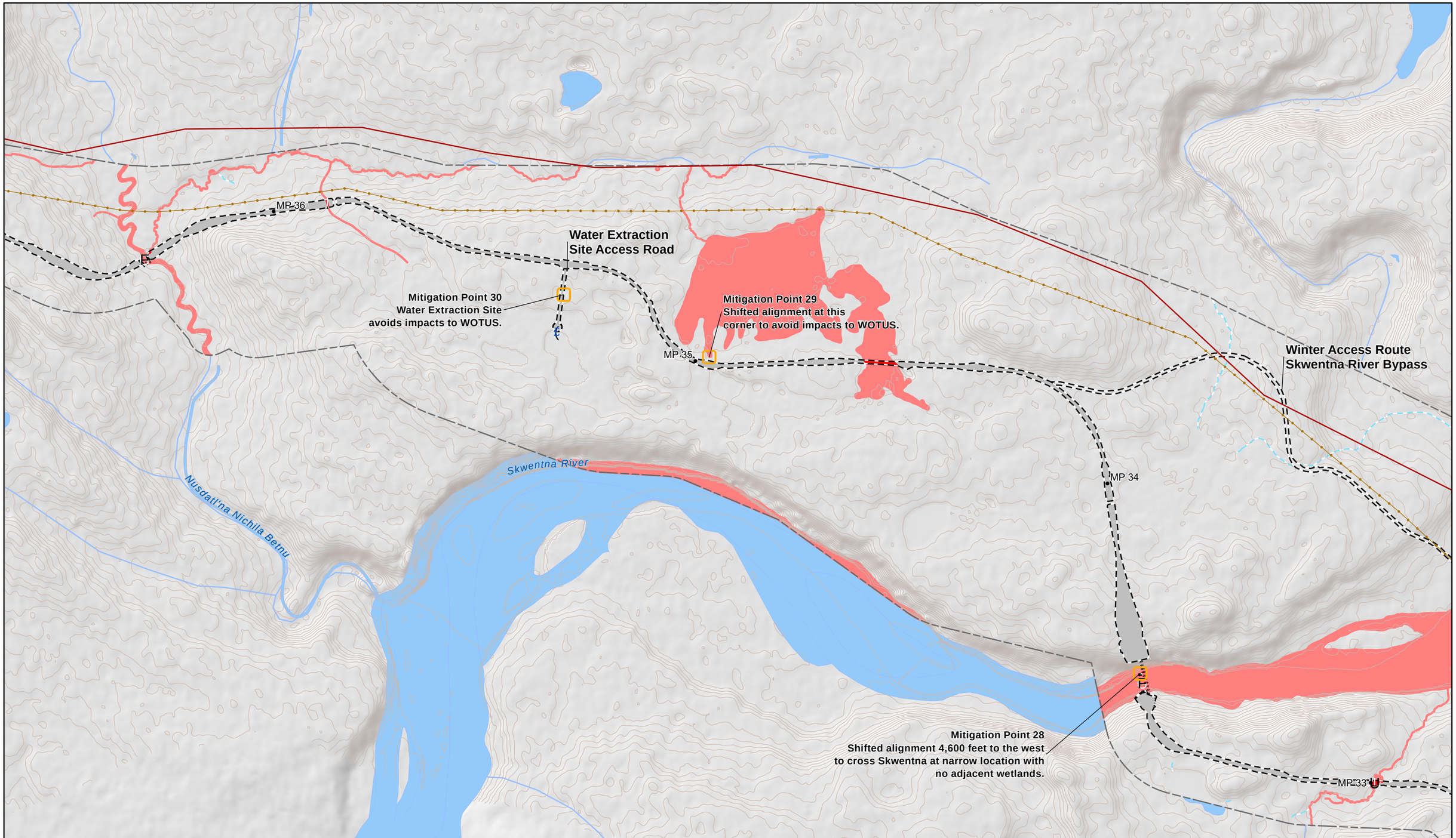
WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-009**



Permanent Disturbance Limit
Temporary Disturbance Limit
Project Milepost
Original WSA Route Centerline (2019)
Proposed Donlin Pipeline
Avoidance Measure

F Bridge
. Stream Culvert
U Fish Passage Culvert
Water Extraction Site
10' Contour (existing)
USGS Stream (outside mapping limits)

USGS Waterbody (outside mapping limits)
Wetland Mapping Limit
Jurisdictional Wetland and Water Impact
Jurisdictional Wetland and Water
Intermittent Mapped Stream
Perennial Mapped Stream



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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-010**

Material Site Access Road

MP 39

Mitigation Point 32
Maximized use of uplands for siting Shell Creek Airstrip and Maintenance Station. Avoids all impacts to WOTUS.

MP 38

Shell Creek Maintenance Station

Mitigation Point 33
Material site avoids impacts to WOTUS.

MS11

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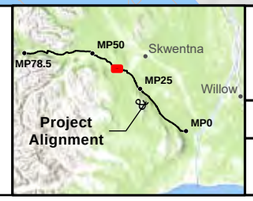
Skwentna River

Mitigation Point 31
Shifted alignment 1,600 feet to the west to avoid WOTUS and stream crossings.

MP 37

Shell Creek Airstrip

- Permanent Disturbance Limit
- Temporary Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Avoidance Measure
- Minimization Measure
- Stream Culvert
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- USGS Waterbody (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-011**

Onestone Lake

MP 42

MP 41

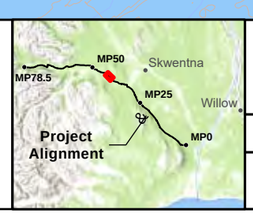
MP 43

Mitigation Point 34
Shifted alignment 660 feet to the south to minimize the number channels crossed and to cross stream perpendicular.

Mitigation Point 35
Shifted alignment 890 feet southwest to avoid large wetland complex and jurisdictional stream.

Skwentna River

- Permanent Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Avoidance Measure
- Minimization Measure
- Perpendicular Crossing
- Fish Passage Culvert
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- USGS Waterbody (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



0 400 800 1,200 Feet

1:12,000

NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-012**

MP 47

Mitigation Point 36
Shifted alignment 410 south
to avoid stream crossing.

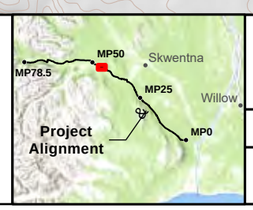
MP 46

Material Site
Access Road

MP 45

Mitigation Point 37
Shifted alignment 460 feet to
the southeast to cross stream perpendicular.

- Permanent Disturbance Limit
- Project Milepost
- Original WSA Route Centerline (2019)
- Proposed Donlin Pipeline
- Avoidance Measure
- Perpendicular Crossing
- Stream Culvert
- Fish Passage Culvert
- 10' Contour (existing)
- USGS Stream (outside mapping limits)
- USGS Waterbody (outside mapping limits)
- Wetland Mapping Limit
- Jurisdictional Wetland and Water Impact
- Jurisdictional Wetland and Water
- Intermittent Mapped Stream
- Perennial Mapped Stream



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0 400 800 1,200 Feet

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NAD 1983 State Plane Alaska Zone 4

WEST SUSITNA ACCESS

APPLICANT: **ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY**

LAT., LONG. OF PROJECT: **VARIES**

PROPOSED ACTIVITY: **ROAD CONSTRUCTION**

WATERWAY: **SUSITNA RIVER WATERSHED**

FILE NO. **POA-XXX-XXXX**

DRAWING TITLE: **WETLAND AVOIDANCE AND MINIMIZATION**

DATE: **JULY 2025**

FIGURE NO. **A-013**