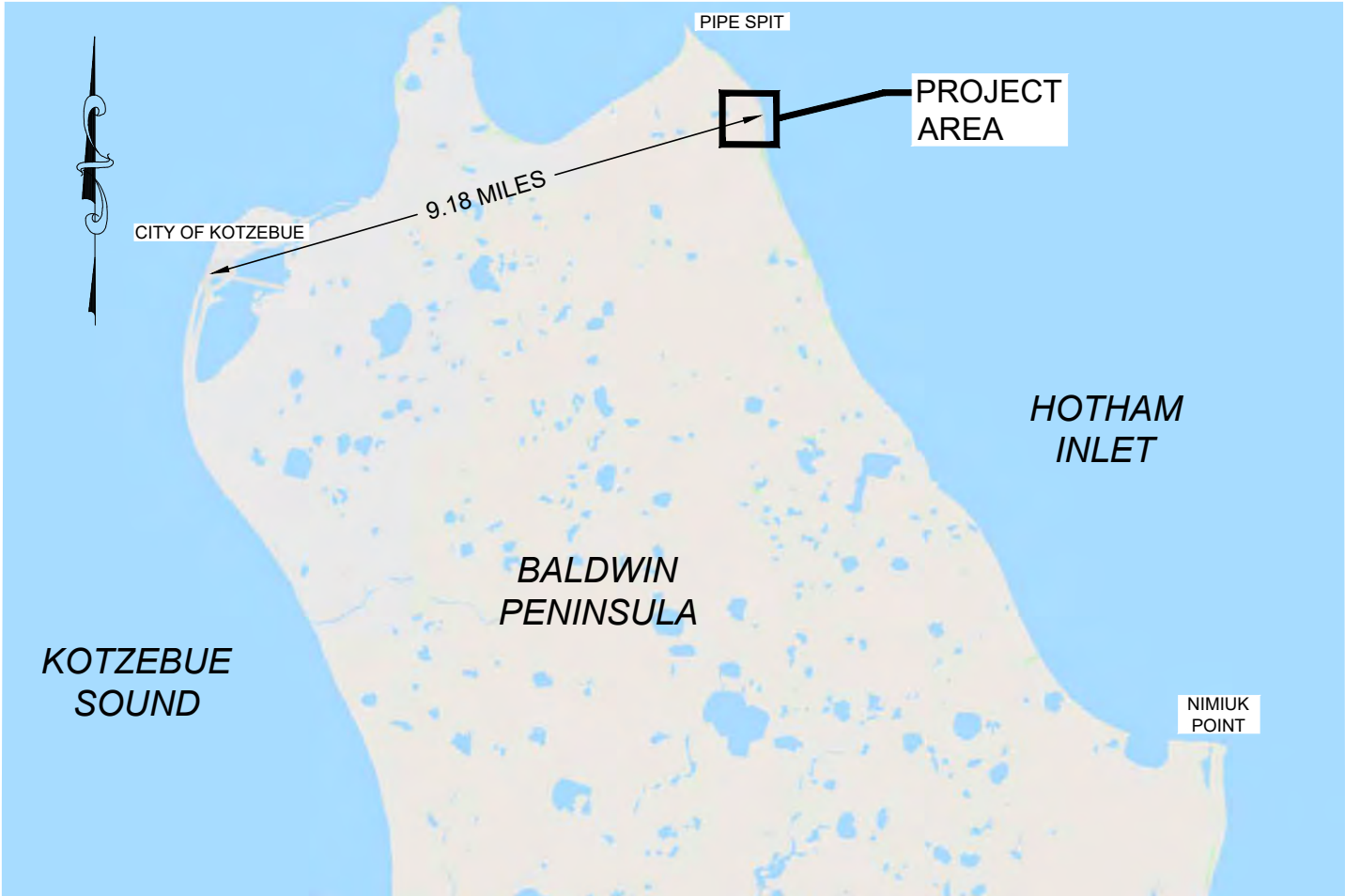


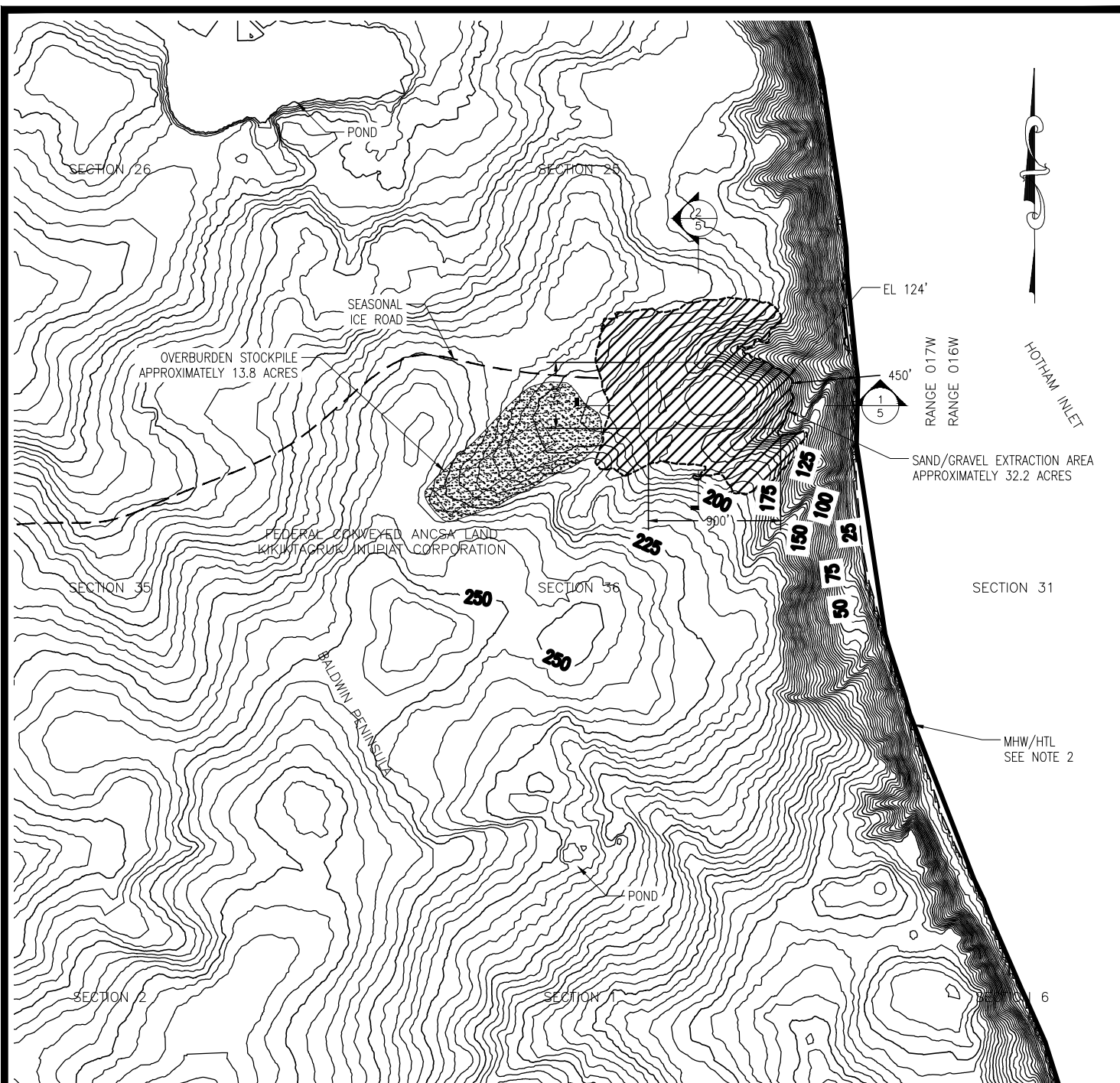
LOCATION



VICINITY MAP



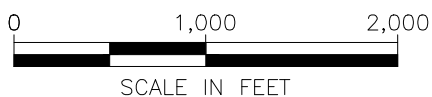
IGGY HILL SAND & GRAVEL
GRAVEL EXTRACTION KOTZEBUE, ALASKA
WATERBODY: HOTHAM INLET
SECT. 36; T018N; R017W MERIDIAN: KATEEL RIVER USGS QUADRANGLE KOTZEBUE D-1 NW LAT: 66.91972° LONG: -162.28693°
LOCATION AND VICINITY MAP
6/26/2025 SHEET 1 OF 7



PROJECT SITE TOPOGRAPHIC

NOTES:

1. TOPOGRAPHIC SOURCE: WEBSITE experience.arcgis.com OBTAINED ON 16 OCTOBER 2024.
2. TIDAL INFORMATION FROM NOAA STATION 9491094, RED DOG DOCK, ALASKA (NAVD88).
 - 2.1. HTL (HIGH TIDE LINE) = 1.1'
 - 2.2. MHW (MEAN HIGH WATER) = 0.8'
 - 2.3. MLLW (MEAN LOWER-LOW WATER) = 0.0'
3. TOPOGRAPHIC SURVEY HAS NOT BEEN PERFORMED FOR PROJECT AREA THEREFORE HTL AND MHW LINE ARE APPROXIMATED BASED ON WATERS EDGE FROM IMAGE. A SURVEY WILL BE PERFORMED PRIOR TO START OF EXTRACTION TO DETERMINE MHW, HTL, AND PROPERTY LINE LOCATIONS.
4. EXTRACTED MATERIALS WILL BE STOCKPILED WITHIN EXTRACTION AREA.
5. CONTRACTOR STAGING OF EQUIPMENT AND MATERIALS WITHIN EXTRACTION AREA.



IGGY HILL SAND & GRAVEL

GRAVEL EXTRACTION
KOTZEBUE, ALASKA

WATERBODY: HOTHAM INLET

SECT. 36; T018N; R017W
MERIDIAN: KATEEL RIVER
USGS QUADRANGLE KOTZEBUE D-1 NW
LAT: 66.91972° LONG: -162.28693°

PROJECT SITE TOPO

6/26/2025

SHEET 3 OF 7



WETLANDS NATIONAL WETLANDS INVENTORY

NOTES:

1. IMAGE SOURCE: WEBSITE
<https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper> OBTAINED ON 25 OCTOBER 2024.
2. TIDAL INFORMATION FROM NOAA STATION 9491094, RED DOG DOCK, ALASKA (NAVD88).
 - 2.1. HTL (HIGH TIDE LINE) = 1.1'
 - 2.2. MHW (MEAN HIGH WATER) = 0.8'
 - 2.3. MLLW (MEAN LOWER-LOW WATER) = 0.0'
3. TOPOGRAPHIC SURVEY HAS NOT BEEN PERFORMED FOR PROJECT AREA THEREFORE HTL AND MHW LINE ARE APPROXIMATED BASED ON WATERS EDGE FROM IMAGE. A SURVEY WILL BE PERFORMED PRIOR TO START OF EXTRACTION TO DETERMINE MHW, HTL, AND PROPERTY LINE LOCATIONS.
4. EXTRACTED MATERIALS WILL BE STOCKPILED WITHIN EXTRACTION AREA.
5. CONTRACTOR STAGING OF EQUIPMENT AND MATERIALS WITHIN EXTRACTION AREA.



IGGY HILL SAND & GRAVEL

GRAVEL EXTRACTION
KOTZEBUE, ALASKA

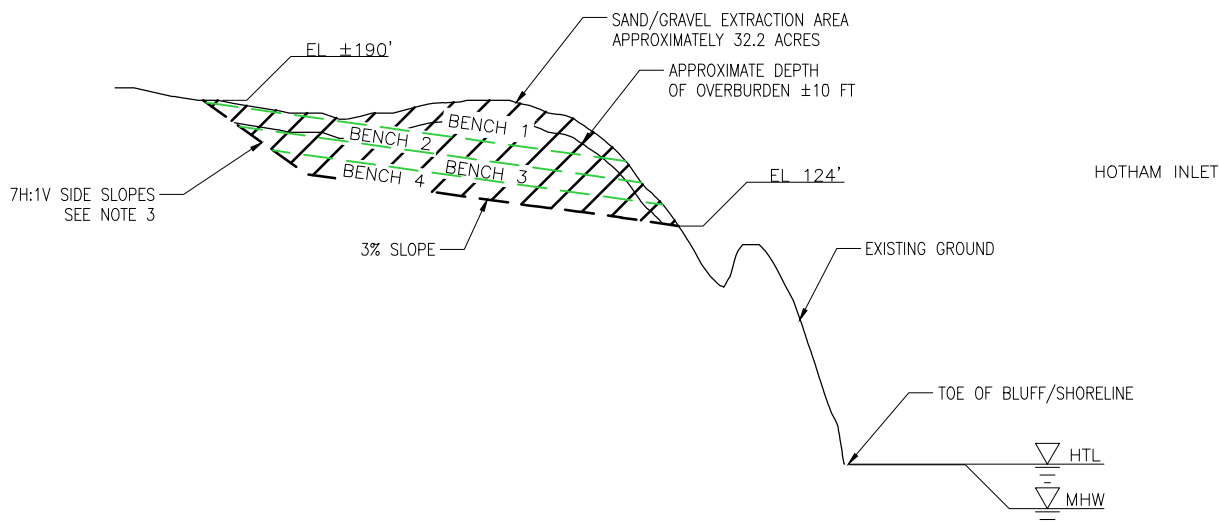
WATERBODY: HOTHAM INLET

SECT. 36; T018N; R017W
MERIDIAN: KATEEL RIVER
USGS QUADRANGLE KOTZEBUE D-1 NW
LAT: 66.91972° LONG: -162.28693°

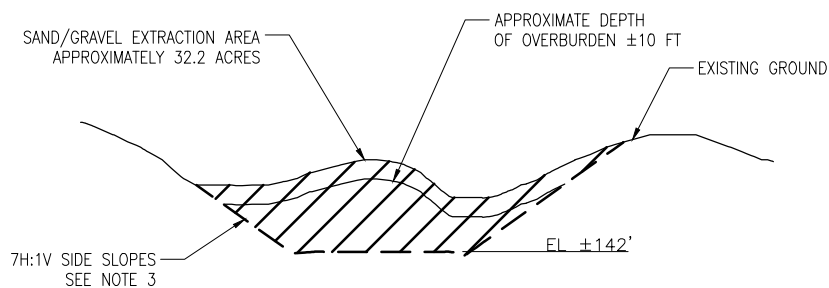
WETLANDS

6/26/2025

SHEET 4 OF 7



1 SITE SECTION



2 SITE SECTION

NOTES:

1. TIDAL INFORMATION FROM NOAA STATION 9491094, RED DOG DOCK, ALASKA (NAVD88).
 - 1.1. HTL (HIGH TIDE LINE) = 1.1'
 - 1.2. MHW (MEAN HIGH WATER) = 0.8'
 - 1.3. MLLW (MEAN LOWER-LOW WATER) = 0.0'
2. TOPOGRAPHIC SURVEY HAS NOT BEEN PERFORMED FOR PROJECT AREA. HTL AND MHW LINES ARE APPROXIMATE.
3. CUT SLOPE IS SHOWN 7H:1V FOR PLANNING PURPOSES ONLY. EXCAVATED SLOPE MUST BE EVALUATED BY AN ENGINEER FOR OSHA AND MSHA COMPLIANCE AS EXTRACTION PROGRESSES.



IGGY HILL SAND & GRAVEL

GRAVEL EXTRACTION
KOTZEBUE, ALASKA

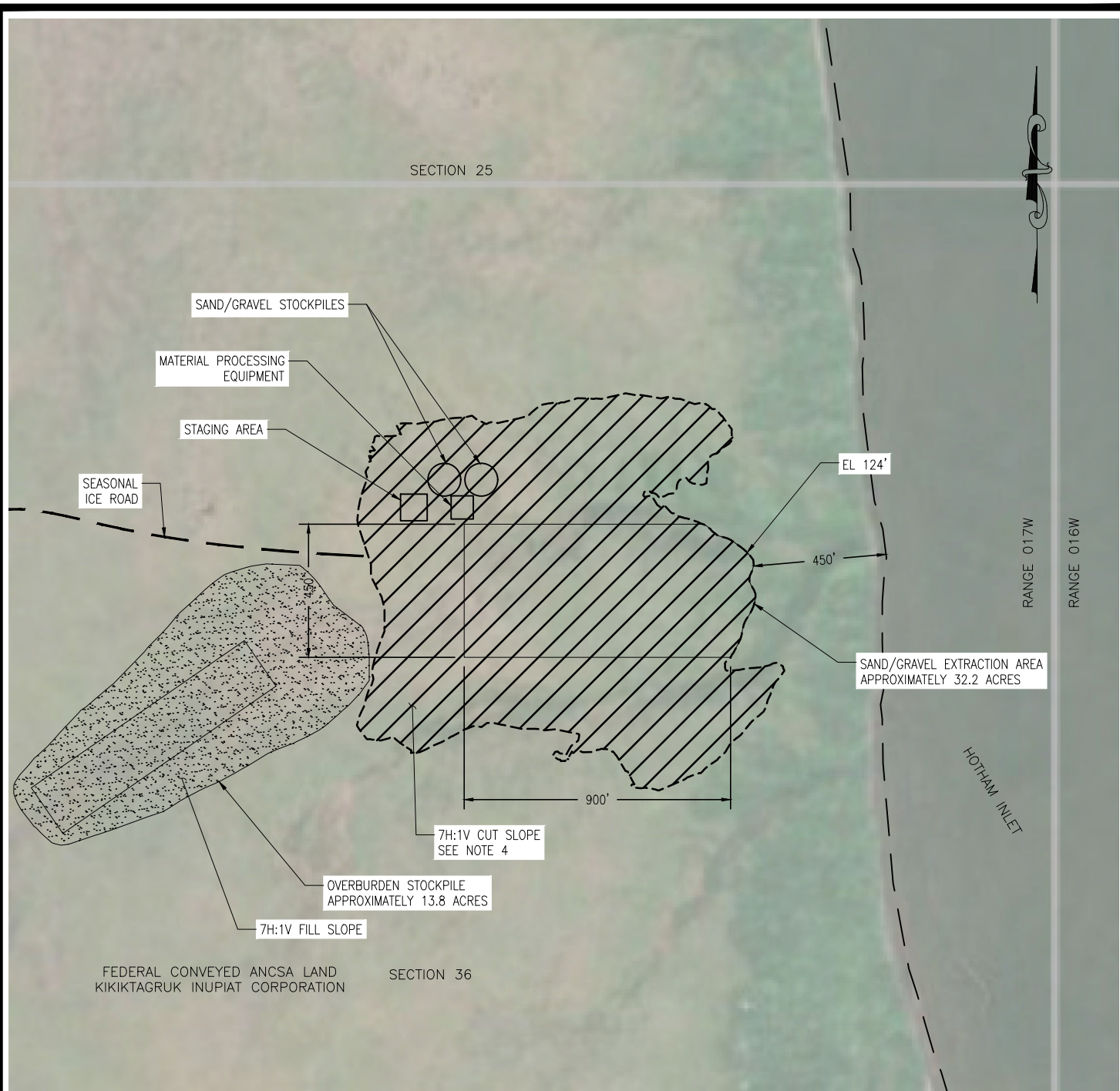
WATERBODY: HOTHAM INLET

SECT. 36; T018N; R017W
MERIDIAN: KATEEL RIVER
USGS QUADRANGLE KOTZEBUE D-1 NW
LAT: 66.91972° LONG: -162.28693°

SITE SECTION

6/26/2025

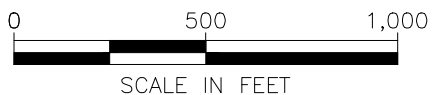
SHEET 5 OF 7



DEVELOPMENT SITE

NOTES:

1. IMAGE SOURCE: WEBSITE dnr.alaska.gov/mapper/ OBTAINED ON 25 OCTOBER 2024. IMAGE IS NOT GEO-REFERENCED.
2. TIDAL INFORMATION FROM NOAA STATION 9491094, RED DOG DOCK, ALASKA (NAVD88).
 - 2.1. HTL (HIGH TIDE LINE) = 1.1'
 - 2.2. MHW (MEAN HIGH WATER) = 0.8'
 - 2.3. MLLW (MEAN LOWER-LOW WATER) = 0.0'
3. TOPOGRAPHIC SURVEY HAS NOT BEEN PERFORMED FOR PROJECT AREA THEREFORE HTL AND MHW LINE ARE APPROXIMATED BASED ON WATERS EDGE FROM IMAGE. A SURVEY WILL BE PERFORMED PRIOR TO START OF EXTRACTION TO DETERMINE MHW, HTL, AND PROPERTY LINE LOCATIONS.
4. CUT SLOPE IS SHOWN 3H:1V FOR PLANNING PURPOSES ONLY. EXCAVATED SLOPE MUST BE EVALUATED BY AN ENGINEER FOR OSHA AND MSHA COMPLIANCE AS EXTRACTION PROGRESSES.



IGGY HILL SAND & GRAVEL

GRAVEL EXTRACTION
KOTZEBUE, ALASKA

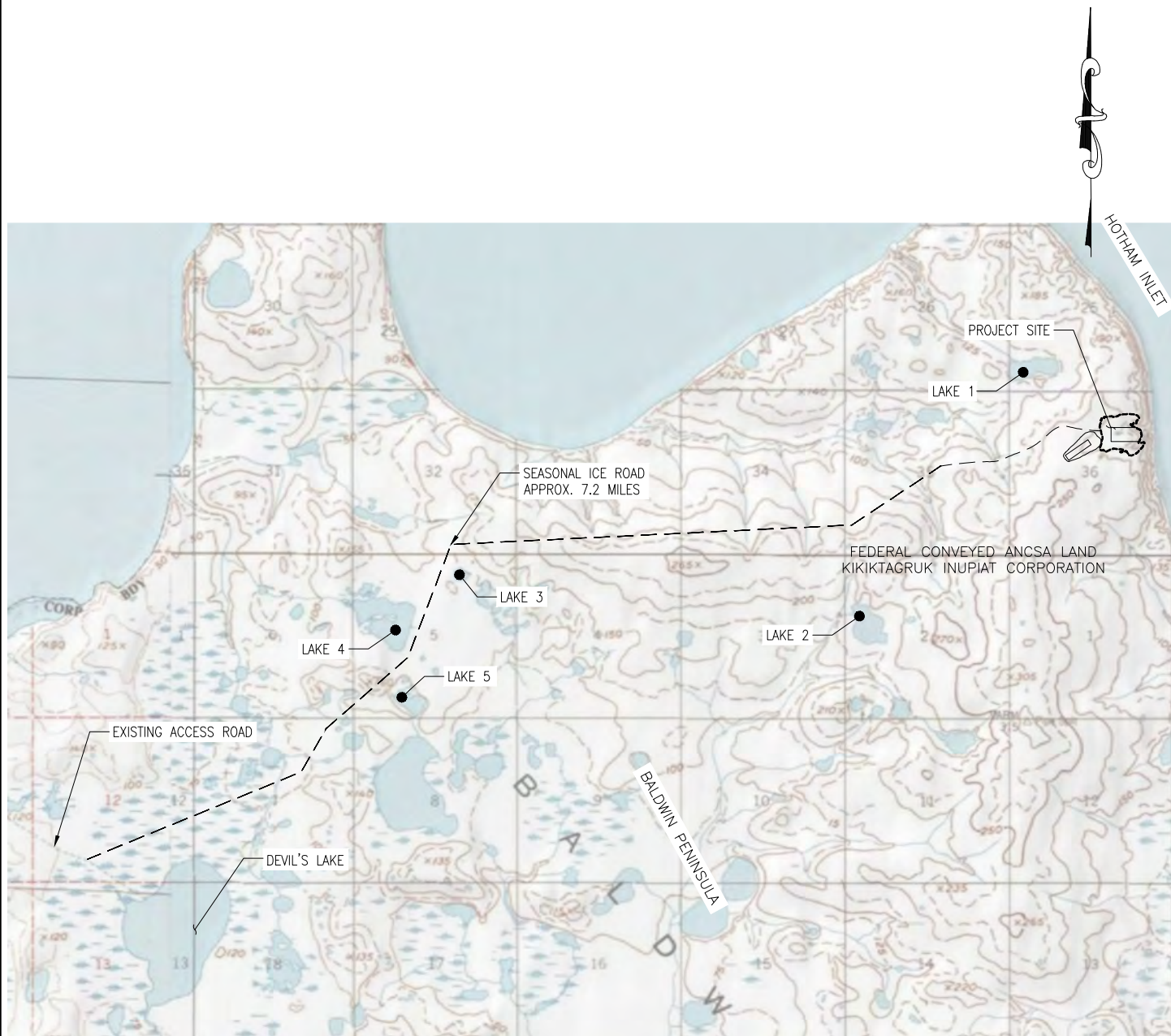
WATERBODY: HOTHAM INLET

SECT. 36; T018N; R017W
MERIDIAN: KATEEL RIVER
USGS QUADRANGLE KOTZEBUE D-1 NW
LAT: 66.91972° LONG: -162.28693°

DEVELOPMENT PLAN

6/26/2025

SHEET 6 OF 7



ICE ROAD ROUTE

NOTES:

1. IMAGE SOURCE: [WEBSITE dn.r.alaska.gov/mapper/](https://dnr.alaska.gov/mapper/) OBTAINED ON 25 OCTOBER 2024.
IMAGE IS NOT GEO-REFERENCED.



IGGY HILL SAND & GRAVEL

GRAVEL EXTRACTION
KOTZEBUE, ALASKA

WATERBODY: HOTHAM INLET

SECT. 36; T018N; R017W
MERIDIAN: KATEEL RIVER
USGS QUADRANGLE KOTZEBUE D-1 NW
LAT: 66.91972° LONG: -162.28693°

ICE ROAD ROUTE

6/26/2025

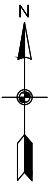
SHEET 7 OF 7

Plotted 7/2/2025 11:38 AM by Steven Lewis

SITE PLAN

Scale: 1" = 150'

1" = 150' 0 150' 300'



NOTES:

1. WORK AREA IS NOT LOCATED WITHIN AN MS4.
2. AS WORK PROGRESSES MARK SITE MAP WHERE TEMPORARY AND/OR PERMANENT STABILIZATION HAS BEEN PERFORMED.
3. PROVIDE 15' TO 20' WIDE AREA UPHILL OF BERM FOR SUMMER PERMAFROST SEDIMENT TRAP, WIDEN AS NECESSARY. CHANNEL STORMWATER RUNOFF TOWARD DRAINAGE PATHWAY
4. PROVIDE CHECK DAMS ALONG CONSTRUCTED DRAINAGE CHANNEL AT A MINIMUM OF 50' ON CENTER.

LEGEND

- ALDER LIVE STAKING
- WATER BODIES
- PERMANENTLY STABILIZED AREAS
- TEMPORARILY STABILIZED AREAS
- PERMANENT RIPRAP
- SEDIMENT BARRIER
- DRAINAGE PATHWAY
- DISCHARGE POINT
- DRAINAGE PATHWAY
- CHECK DAM

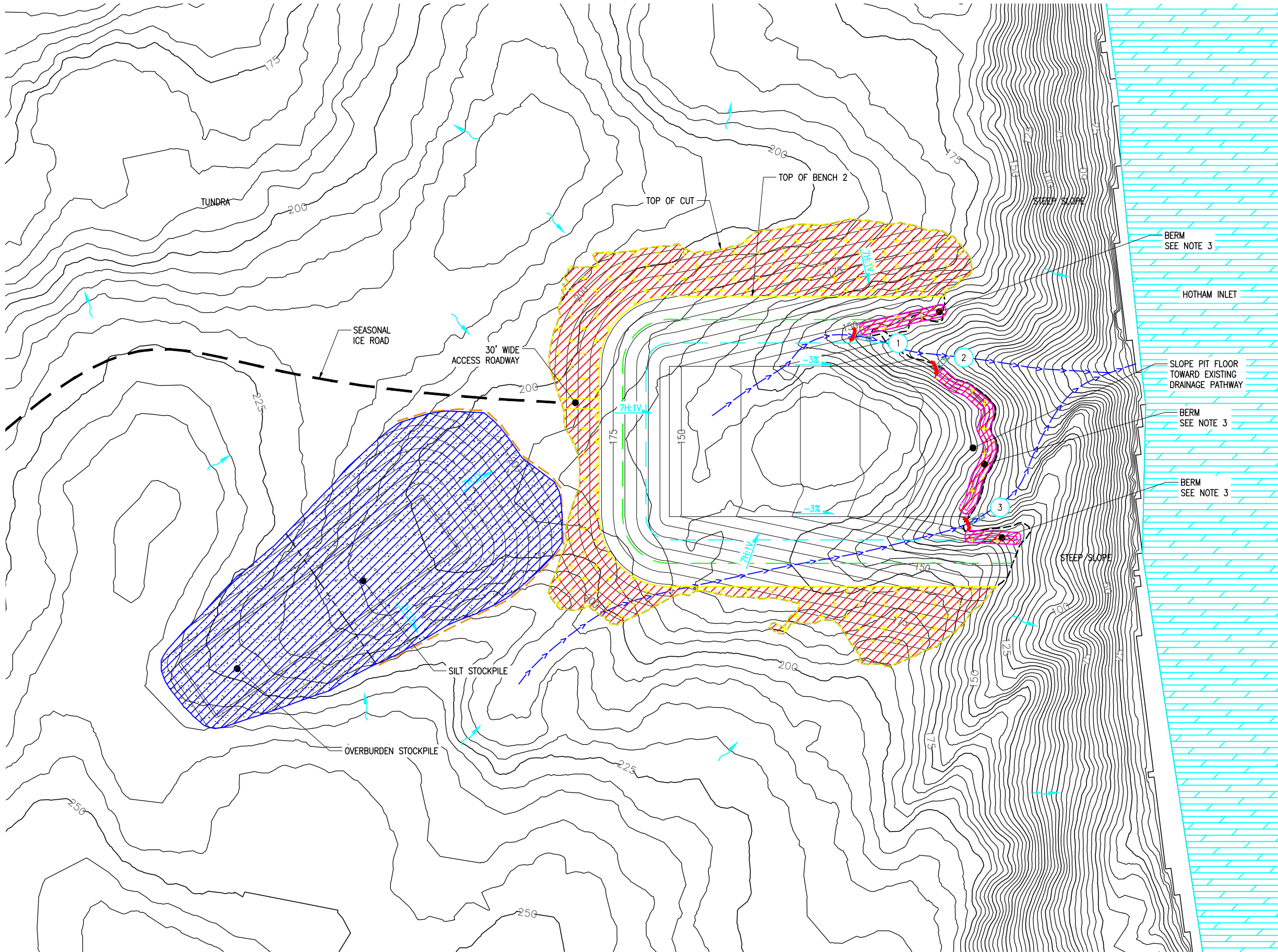


IGGY HILL
SAND AND GRAVEL EXTRACTION
RECLAMATION PLAN

No.	Description	Date

Drawn By: SEL	Checked By: SEL
Date: JULY 2, 2025	
Project No: 24033KIC	
SHEET TITLE: SITE PLAN	

Plotted 7/2/2025 11:39 AM by Steven Lewis



SITE PLAN
BENCH 1

Scale: 1" = 150'

NOTES:

1. WORK AREA IS NOT LOCATED WITHIN AN MS4.
2. AS WORK PROGRESSES MARK SITE MAP WHERE TEMPORARY AND/OR PERMANENT STABILIZATION HAS BEEN PERFORMED.
3. PROVIDE 15' TO 20' WIDE AREA UPHILL OF BERM FOR SUMMER PERMAFROST SEDIMENT TRAP, WIDEN AS NECESSARY. CHANNEL STORMWATER RUNOFF TOWARD DRAINAGE PATHWAY
4. PROVIDE CHECK DAMS ALONG CONSTRUCTED DRAINAGE CHANNEL AT A MINIMUM OF 50' ON CENTER.

LEGEND

- ALDER LIVE STAKING
- WATER BODIES
- PERMANENTLY STABILIZED AREAS
- TEMPORARILY STABILIZED AREAS
- PERMANENT RIPRAP
- SEDIMENT BARRIER
- DRAINAGE PATHWAY
- DISCHARGE POINT
- CHECK DAM

1" = 150'



IGGY HILL
SAND AND GRAVEL EXTRACTION
RECLAMATION PLAN

No.	Description	Date

Drawn By: **SEL** Checked By: **SEL**

Date: **JULY 2, 2025**

Project No: **24033KIC**

SHEET TITLE: **SITE PLAN BENCH 1**

SHEET NO: **2 OF 5**

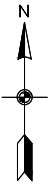
C1.1

Plotted 7/2/2025 11:38 AM by Steven Lewis

SITE PLAN
BENCH 2

Scale: 1" = 150'

1" = 150' 0 150' 300'



NOTES:

1. WORK AREA IS NOT LOCATED WITHIN AN MS4.
2. AS WORK PROGRESSES MARK SITE MAP WHERE TEMPORARY AND/OR PERMANENT STABILIZATION HAS BEEN PERFORMED.
3. PROVIDE 15' TO 20' WIDE AREA UPHILL OF BERM FOR SUMMER PERMAFROST SEDIMENT TRAP, WIDEN AS NECESSARY. CHANNEL STORMWATER RUNOFF TOWARD DRAINAGE PATHWAY
4. PROVIDE CHECK DAMS ALONG CONSTRUCTED DRAINAGE CHANNEL AT A MINIMUM OF 50' ON CENTER.

LEGEND

- ALDER LIVE STAKING
- WATER BODIES
- PERMANENTLY STABILIZED AREAS
- TEMPORARILY STABILIZED AREAS
- PERMANENT RIPRAP
- SEDIMENT BARRIER
- DRAINAGE PATHWAY
- DISCHARGE POINT
- DRAINAGE PATHWAY
- CHECK DAM



IGGY HILL
SAND AND GRAVEL EXTRACTION
RECLAMATION PLAN

No.	Description	Date

Drawn By: SEL Checked By: SEL

Date: JULY 2, 2025

Project No: 24033KIC

SHEET TITLE:

SITE PLAN
BENCH 2

SHEET NO:

3 OF 5

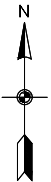
C1.2

Plotted 7/2/2025 11:38 AM by Steven Lewis

SITE PLAN
BENCH 3

Scale: 1" = 150'

1" = 150' 0 150' 300'



NOTES:

1. WORK AREA IS NOT LOCATED WITHIN AN MS4.
2. AS WORK PROGRESSES MARK SITE MAP WHERE TEMPORARY AND/OR PERMANENT STABILIZATION HAS BEEN PERFORMED.
3. PROVIDE 15' TO 20' WIDE AREA UPHILL OF BERM FOR SUMMER PERMAFROST SEDIMENT TRAP, WIDEN AS NECESSARY. CHANNEL STORMWATER RUNOFF TOWARD DRAINAGE PATHWAY
4. PROVIDE CHECK DAMS ALONG CONSTRUCTED DRAINAGE CHANNEL AT A MINIMUM OF 50' ON CENTER.

LEGEND

- ALDER LIVE STAKING
- WATER BODIES
- PERMANENTLY STABILIZED AREAS
- TEMPORARILY STABILIZED AREAS
- PERMANENT RIPRAP
- SEDIMENT BARRIER
- DRAINAGE PATHWAY
- DISCHARGE POINT
- DRAINAGE PATHWAY
- CHECK DAM



IGGY HILL
SAND AND GRAVEL EXTRACTION
RECLAMATION PLAN

No.	Description	Date

Drawn By: SEL Checked By: SEL

Date: JULY 2, 2025

Project No: 24033KIC

SHEET TITLE:

SITE PLAN
BENCH 3

SHEET NO:

4 OF 5

C1.3

Plotted 7/2/2025 11:39 AM by Steven Lewis

SITE PLAN
BENCH 4

Scale: 1" = 150'

1" = 150' 0 150' 300'



NOTES:

1. WORK AREA IS NOT LOCATED WITHIN AN MS4.
2. AS WORK PROGRESSES MARK SITE MAP WHERE TEMPORARY AND/OR PERMANENT STABILIZATION HAS BEEN PERFORMED.
3. REMOVE ALL TEMPORARY BMPs

LEGEND

- ALDER LIVE STAKING
- WATER BODIES
- PERMANENTLY STABILIZED AREAS
- TEMPORARILY STABILIZED AREAS
- PERMANENT RIPRAP
- SEDIMENT BARRIER
- DRAINAGE PATHWAY
- DISCHARGE POINT
- DRAINAGE PATHWAY
- CHECK DAM



IGGY HILL
SAND AND GRAVEL EXTRACTION
RECLAMATION PLAN

No.	Description	Date

Drawn By: **SEL** Checked By: **SEL**

Date: **JULY 2, 2025**

Project No: **24033KIC**

SHEET TITLE:
SITE PLAN
BENCH 4

SHEET NO:
5 OF 5

C1.4