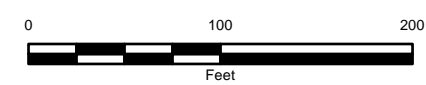
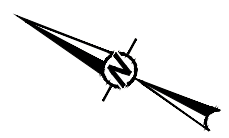




1, MILL - JOB TRAILER	15, MILL - FLOTATION	29, MILL - SMALL SHOP	43, MILL - CEMENT SILO
2, MILL - CONNEX	16, MILL - REFINERY	30, MILL - CONNEXES (2) STACKED - PARTS STORAGE	44, MILL - BACKFILL PASTE PLANT
3, MILL - CONNEX	17, MILL - FLOTATION THICKENER	31, MILL - SLOPING CONVEYOR GALLERY	45, MILL - BACKFILL WATER DILUTION TANK
4, MILL - TENT BUILDING	18, MILL - PROCESS WATER TANK AREA	32, MILL - AST-02 FUEL TANK	46, MILL - FLOTATION TAILS THICKENER
5, MILL - ELECTRICAL MODULE	19, MILL - GRINDING WATER TANK	33, MILL - CONNEXES (2) SIDE BY SIDE - STORAGE	47, MILL - FILTER FEED TANK
6, MILL - MICROWAVE TOWER	20, MILL - BUILDING	34, MILL - OFFICE	48, MILL - ELECTRICAL CONTROL MODULE
7, MILL - ELECTRICAL MODULE (ER-1)	21, LIQUID OXYGEN CONNEX	35, MILL - COARSE ORE BIN AREA	49, MILL - COMPRESSOR ROOM
8, MILL - BAG HOUSE	22, MILL - GRAVITY	36, MILL - COARSE ORE BIN	50, MILL - TAILINGS BUILDING
9, MILL - ASSAY LAB	23, MILL - GRINDING	37, MILL - RECLAIM HOPPER AREA	51, MILL - CONVEYOR ENCLOSURE
10, MILL - REAGENT LOADOUT AREA (SLAB+ROOF ONLY)	24, MILL - BACKUP GENERATOR CONNEX	38, MILL - CONVEYOR (LEGS ON CONCRETE PIERS/LARGE BLOCKS)	52, MILL - FLOTATION TAILINGS STORAGE
11, MILL - REAGENT STORAGE AREA	25, MILL - BACKUP GENERATOR CONNEX	39, MILL - NEW CIP TAILINGS STORAGE TANK	
12, MILL - CN RECOVERY THICKENER	26, MILL - ELECTRICAL MODULE ER-4	40, MILL - OLD CIP TAILINGS STORAGE TANK	
13, MILL - REAGENT HANDLING	27, MILL - SLOPING CONVEYOR BUILDING	41, MILL - FLOTATION TAILINGS THICKENER	
14, MILL - CN LEACH TANKS	28, MILL - COLD WEATHER PARTS LAYDOWN	42, MILL - CEMENT STORAGE TRAILERS (BULK LOAD TANKERS) ON WHEELS	

**LEGEND**  
 BUILDING  
 FACILITY DISTURBANCE



**REFERENCES**  
 1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023  
 2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.  
 3. AERIAL IMAGERY PROVIDED BY POGO MINE. IMAGERY CAPTURED SEPTEMBER 2021.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	YYYY-MM-DD	2023-08-17
	DESIGNED	KJC
	PREPARED	KJC
	REVIEWED	-
	APPROVED	-



PROJECT  
**RECLAMATION COST ESTIMATE**

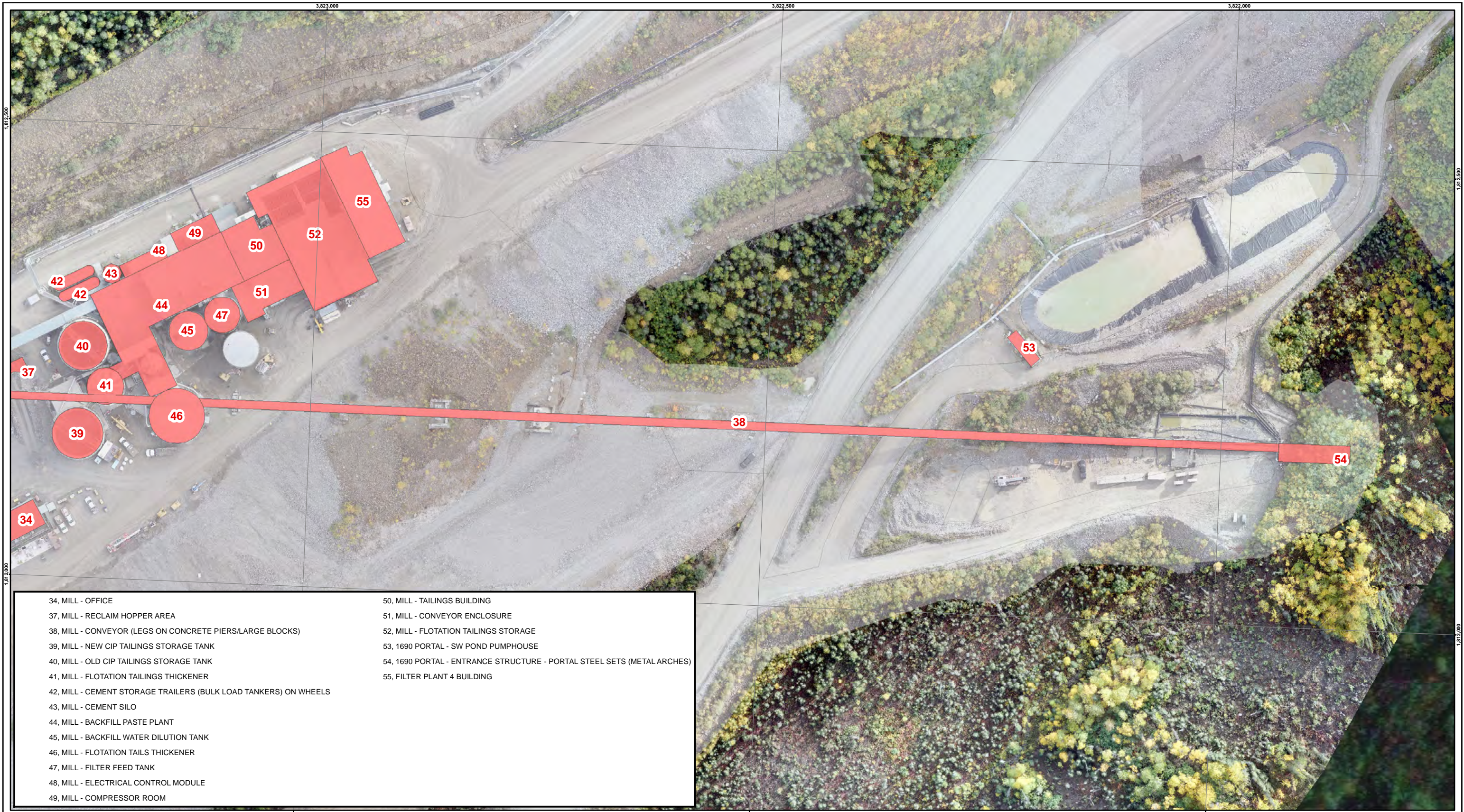
TITLE  
**BUILDINGS LAYOUT**  
**SHEET 1 OF 13**

PROJECT NO.  
**31403899.000**

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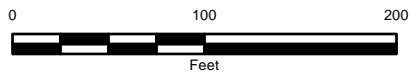
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- |                                                                  |                                                                         |
|------------------------------------------------------------------|-------------------------------------------------------------------------|
| 34, MILL - OFFICE                                                | 50, MILL - TAILINGS BUILDING                                            |
| 37, MILL - RECLAIM HOPPER AREA                                   | 51, MILL - CONVEYOR ENCLOSURE                                           |
| 38, MILL - CONVEYOR (LEGS ON CONCRETE PIERS/LARGE BLOCKS)        | 52, MILL - FLOTATION TAILINGS STORAGE                                   |
| 39, MILL - NEW CIP TAILINGS STORAGE TANK                         | 53, 1690 PORTAL - SW POND PUMPHOUSE                                     |
| 40, MILL - OLD CIP TAILINGS STORAGE TANK                         | 54, 1690 PORTAL - ENTRANCE STRUCTURE - PORTAL STEEL SETS (METAL ARCHES) |
| 41, MILL - FLOTATION TAILINGS THICKENER                          | 55, FILTER PLANT 4 BUILDING                                             |
| 42, MILL - CEMENT STORAGE TRAILERS (BULK LOAD TANKERS) ON WHEELS |                                                                         |
| 43, MILL - CEMENT SILO                                           |                                                                         |
| 44, MILL - BACKFILL PASTE PLANT                                  |                                                                         |
| 45, MILL - BACKFILL WATER DILUTION TANK                          |                                                                         |
| 46, MILL - FLOTATION TAILS THICKENER                             |                                                                         |
| 47, MILL - FILTER FEED TANK                                      |                                                                         |
| 48, MILL - ELECTRICAL CONTROL MODULE                             |                                                                         |
| 49, MILL - COMPRESSOR ROOM                                       |                                                                         |

- LEGEND**
- BUILDING
  - FACILITY DISTURBANCE



- REFERENCES**
1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
  2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.
  3. AERIAL IMAGERY PROVIDED BY POGO MINE. IMAGERY CAPTURED SEPTEMBER 2021.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**



CONSULTANT	YYYY-MM-DD	2023-08-17
	DESIGNED	KJC
	PREPARED	KJC
	REVIEWED	-
	APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 2 OF 13**

PROJECT NO.  
**31403899.000**

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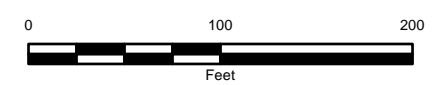
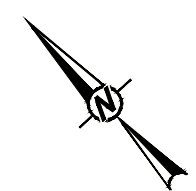
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- |                                                  |                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------|
| 56, MAIN CAMP - AST-01 FUEL TANK                 | 70, EMERGENCY GENERATOR 3                                               |
| 57, MAIN CAMP - CONNEXES (2) - SIDE BY SIDE      | 71, 1875 PORTAL - PORTAL HEATERS (CONCRETE SLAB WITH EQUIPMENT)         |
| 58, MAIN CAMP - POTABLE WATER TREATMENT          | 72, 1875 PORTAL - ENTRANCE STRUCTURE - PORTAL STEEL SETS (METAL ARCHES) |
| 59, MAIN CAMP - POTABLE WATER TANK               | 73, 1875 PORTAL - STORAGE CONNEX FOR DRILL BITS                         |
| 60, MAIN CAMP - FIRE WATER PUMPHOUSE             | 74, 1875 PORTAL - SHOP (ON CONCRETE SLAB)                               |
| 61, MAIN CAMP - FIRE WATER TANK                  | 75, 1875 PORTAL - SHOP (CONCRETE SLAB ONLY)                             |
| 62, MAIN CAMP - DORMS (A-WING, B-WING, REC AREA) |                                                                         |
| 63, MAIN CAMP - KITCHEN                          |                                                                         |
| 64, MAIN CAMP - DORMS (C-WING)                   |                                                                         |
| 65, MAIN CAMP - ADMINISTRATIVE OFFICES           |                                                                         |
| 66, MAIN CAMP - SHOPS & WAREHOUSE                |                                                                         |
| 67, MAIN CAMP - FUEL TANK                        |                                                                         |
| 68, MAIN CAMP - FUEL TANK                        |                                                                         |
| 69, MAIN CAMP - PROPANE STORAGE TANK FOUNDATIONS |                                                                         |

**LEGEND**  
 BUILDING  
 FACILITY DISTURBANCE



**REFERENCES**  
 1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023  
 2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.  
 3. AERIAL IMAGERY PROVIDED BY POGO MINE. IMAGERY CAPTURED SEPTEMBER 2022.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	YYYY-MM-DD	2023-08-17
	DESIGNED	KJC
	PREPARED	KJC
	REVIEWED	-
	APPROVED	-



PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 3 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**14**

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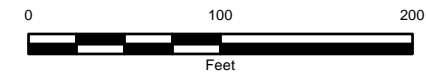
1,813,500  
 3,821,500  
 IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- 76, RTP - PUMP HOUSE / ELECTRICAL - CONNEX
- 77, RTP - ELECTRICAL MODULE
- 78, RTP - PRIMARY RTP HEAD TANK (WATER TANK)
- 79, RTP - SECONDARY RTP HEAD TANK (WATER TANK)

- LEGEND**
- BUILDING
  - FACILITY DISTURBANCE



- REFERENCES**
1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
  2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.
  3. AERIAL IMAGERY PROVIDED BY POGO MINE. IMAGERY CAPTURED OCTOBER 2022.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	
YYYY-MM-DD	2023-08-17
DESIGNED	KJC
PREPARED	KJC
REVIEWED	-
APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 4 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**15**

PATH: M:\PogoMine\Docs\StackExpansion\Pages\Fig 12\muc4\_1x17\_BuildingLayout\_DDP.mxd PRINTED ON: 2023-08-17 AT 2:00:42 PM

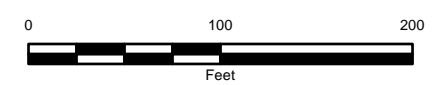
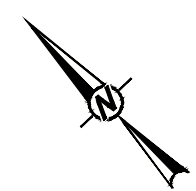
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- 80, 2150 PORTAL - RAISE BORE - TANK (NO TOP OR BOTTOM) CONC PAD OVER REALLY DEEP VENTILATION HOLE
- 81, 2150 PORTAL - ELECTRICAL MODULE
- 82, 2150 PORTAL - TRANSFORMERS
- 83, 2150 PORTAL - AIR COMPRESSOR MODULE
- 84, 2150 PORTAL - AIR COMPRESSOR MODULE
- 85, 2150 PORTAL - ENTRANCE STRUCTURE PORTAL STEEL SETS (METAL ARCHES)
- 86, 2150 PORTAL - PORTAL HEATERS (CONCRETE SLAB WITH EQUIPMENT)
- 87, 2150 PORTAL - PROPANE VAPORIZORS FOR THE 2150 MINE PORTAL HEATERS
- 88, 2150 PORTAL - PROPANE TANK - CONCRETE FOUNDATION STRUCTURE TO SUPPORT THE TANK
- 89, 2150 PORTAL - PROPANE TANK - CONCRETE FOUNDATION STRUCTURE TO SUPPORT THE TANK

- LEGEND**
- BUILDING
  - FACILITY DISTURBANCE



- REFERENCES**
1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
  2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.
  3. AERIAL IMAGERY PROVIDED BY POGO MINE. IMAGERY CAPTURED SEPTEMBER 2022.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	
YYYY-MM-DD	2023-08-17
DESIGNED	KJC
PREPARED	KJC
REVIEWED	-
APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 5 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**16**

PATH: M:\PogoMine\Docs\Expression\Pages\Fig 2\huc04\_1\F17\_BuildingsLayout\_DDP.dwg PRINTED ON: 2023-08-17 AT: 2:01:02 PM

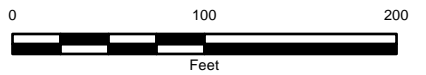
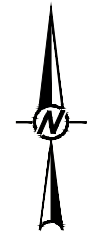
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





90, EXPLORATION - OLD EXPLORATION CORE SHACK - WOODEN STRUCTURE - NO FOUNDATION  
 91, EXPLORATION - OLD EXPLORATION OFFICE BUILDING - WOODEN STRUCTURE - NO FOUNDATION

**LEGEND**  
 BUILDING  
 FACILITY DISTURBANCE



**REFERENCES**  
 1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023  
 2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.  
 3. AERIAL IMAGERY COURTESY OF ESRI, MAXAR, VIVID. DATES VARY.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT		YYYY-MM-DD	2023-08-17
		DESIGNED	KJC
		PREPARED	KJC
		REVIEWED	-
		APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 6 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**17**

PATH: M:\PogoMine\Docs\Expression\Pages\Fig17.mxd; 11x17 BuildingLayout.DDP.mxd PRINTED ON: 2023-08-17 AT 2:01:24 PM

25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



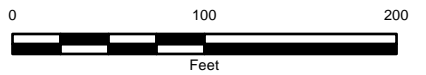
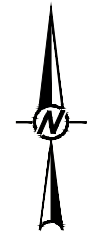






95, CONNEX / WOOD FRAME HDPE PIPE WELDING SHACK - NO FOUNDATION  
 96, HAZARDOUS WASTE BUILDING - WOOD STRUCTURE WITH CONCRETE FOUNDATION

**LEGEND**  
 BUILDING  
 FACILITY DISTURBANCE



**REFERENCES**  
 1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023  
 2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.  
 3. AERIAL IMAGERY COURTESY OF ESRI, MAXAR, VIVID. DATES VARY.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	YYYY-MM-DD	2023-08-17
	DESIGNED	KJC
	PREPARED	KJC
	REVIEWED	-
	APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 8 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**19**

PATH: M:\PogoMine\Docs\StackExpansion\Pages\11x17\_BuildingsLayout\_DDP.mxd PRINTED ON: 2023-08-17 AT: 2:02:15 PM  
 31403899

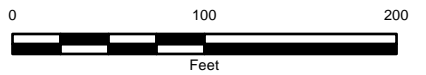
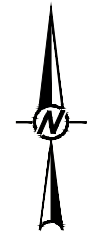
25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





97, TIRE FARM - TENT BUILDING - NO FOUNDATION  
 98, WIRE FARM - CONNEXES FOR STORAGE - NO FOUNDATION  
 99, F-WING DORM MODULE - ATCO STYLE

**LEGEND**  
■ BUILDING  
■ FACILITY DISTURBANCE



**REFERENCES**  
 1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023  
 2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.  
 3. AERIAL IMAGERY COURTESY OF ESRI, MAXAR, VIVID. DATES VARY.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	WSP
YYYY-MM-DD	2023-08-17
DESIGNED	KJC
PREPARED	KJC
REVIEWED	-
APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 9 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**20**

PATH: M:\PogoMine\Docs\Expression\Pages\Fig 20.mxd, 11x17, Buildings Layout, DDP, and PRINTED ON: 2023-08-17 AT 2:02:37 PM

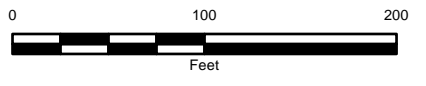
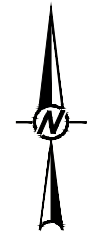
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





100, HEAT TRACE CONTROL BUILDING - NO FOUNDATION  
 101, ELECTRICAL MODULE

**LEGEND**  
■ BUILDING  
 FACILITY DISTURBANCE



**REFERENCES**  
 1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023  
 2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.  
 3. AERIAL IMAGERY COURTESY OF ESRI, MAXAR, VIVID. DATES VARY.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	DATE	DESCRIPTION
	2023-08-17	DESIGNED
		PREPARED
		REVIEWED
		APPROVED

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 10 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**21**

PATH: M:\PogoMine\Docs\Expansion\Pages\Fig 21.mxd, 11x17, Buildings Layout, DDP.mxd, PRINTED ON: 2023-08-17 AT 2:02:56 PM

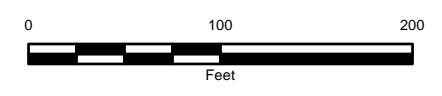
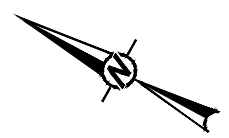
26mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- |                                                                                        |                                     |
|----------------------------------------------------------------------------------------|-------------------------------------|
| 102, D-WING - ATCO-LIKE DORM MODULE                                                    | 117, POTABLE WATER TANK             |
| 103, D-WING - ATCO-LIKE DORM MODULE                                                    | 118, SURFACE LINE OUT BUILDING      |
| 104, D-WING - ATCO-LIKE DORM MODULE                                                    | 119, D-WING COVERED ENTRANCE        |
| 106, D-WING - DORMITORIES D400                                                         | 120, D-WING - DORMITORIES D700B     |
| 107, D-WING - MINE DRY AND LAUNDRY FACILITIES                                          | 121, D-WING - DORMITORIES D700A     |
| 108, D-WING - ATCO-LIKE HALLWAY MODULES                                                | 122, D-WING - DORMITORIES, D600B    |
| 109, D-WING - ATCO-LIKE KITCHED / REC ROOM                                             | 123, D-WING - DORMITORIES D600A     |
| 110, D-WING - CONNEXES (2) SIDE BY SIDE - NO FOUNDATION                                | 124, D-WING - DORMITORIES D500B     |
| 111, D-WING - NEW ATCO KITCHEN/DINING AREA                                             | 125, D-WING - DORMITORIES D500A     |
| 112, INCINERATOR - CONCRETE APRON & CONCRETE SECONDARY CONTAINMENT                     | 126, VAPORIZER SHACK & PROPANE TANK |
| 113, ATCO DRY STORAGE BUILDING                                                         | 127, NSR VEHICLE SHOP               |
| 114, INCINERATOR - MONOLITHIC DOME STRUCTURE WITH SIGNIFICANT CONCRETE FOUNDATION WORK |                                     |
| 115, STORAGE CONNEX                                                                    |                                     |
| 116, BOOSTER BUMP STATION- CONCRETE FOUNDATION                                         |                                     |

- LEGEND**
- BUILDING
  - FACILITY DISTURBANCE



- REFERENCES**
- MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
  - COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.
  - AERIAL IMAGERY COURTESY OF ESRI, MAXAR, VIVID. DATES VARY.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT	YYYY-MM-DD	2023-08-17
	DESIGNED	KJC
	PREPARED	KJC
	REVIEWED	-
	APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 11 OF 13**

PROJECT NO.  
**31403899.000**

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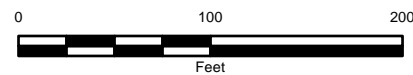
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- 128, POTABLE WATER #3 WELL HOUSE (DW003)
- 129, POTABLE WATER #2 WELL HOUSE
- 130, POTABLE WATER STORAGE BUILDING
- 131, LOWER CAMP - OZONE SYSTEM FOR PWTP#3
- 132, LOWER CAMP - POTABLE WATER TREATMENT PLANT #3 (PWTP#3)
- 133, LOWER CAMP - POTABLE WATER STORAGE TANK
- 134, LOWER CAMP - CONNEXES (2X20') SIDE BY SIDE - NO FOUNDATION
- 135, LOWER CAMP - WAREHOUSE WARM STORAGE NO CONCRETE SLAB
- 136, LOWER CAMP - ENVIRONMENTAL FIELD LAB - ATCO UNIT
- 137, LOWER CAMP - CONNEXES (2X20') SIDE BY SIDE - NO FOUNDATION
- 138, LOWER CAMP - CONNEX (40') STORAGE - NO FOUNDATION
- 139, LOWER CAMP - CONNEX ELECTRICAL MODULE - NO FOUNDATION
- 140, LOWER CAMP - LOWER WAREHOUSE - STEEL BUILDING
- 141, LOWER CAMP - CONNEX STORAGE WAREHOUSE - NO FOUNDATION
- 142, LOWER CAMP - FRONT PORCH OF REDPATH OFFICE - NO FOUNDATION
- 143, LOWER CAMP - RED PATH OFFICE ATCO STRUCTURE
- 144, LOWER CAMP - RED PATH OFFICE ATCO STRUCTURE
- 145, LOWER CAMP - DORMITORY E WING ATCO STRUCTURE
- 146, LOWER CAMP - DORMITORY E WING ENTRANCE / LAUNDRY ROOM - FRAME STRUCTURE - NO FOUNDATION
- 147, LOWER CAMP - REC ROOM YURT - NO FOUNDATION
- 148, LOWER CAMP - FIRE WATER BUILDING FOR E-WING - ON GRAVEL - NO FOUNDATION
- 149, 6 CONNEXES SIDE BY SIDE - STORAGE
- 150, LOWER CAMP - ELECTRICAL MODULE / TRANSFORMER
- 151, SEWAGE TREATMENT PLANT TENT
- 152, LOWER CAMP - SEWAGE TREATMENT PLANT (STP) - METAL BUILDING
- 153, LOWER CAMP - STP OFFICE - FRAMED - NO FOUNDATION
- 154, LOWER CAMP - CONCRETE PAD IN FRONT OF DOORWAY
- 155, LOWER CAMP - CONCRETE PAD IN FRONT OF DOORWAY
- 156, LOWER CAMP - OLD INCINERATOR BUILDING - METAL ON SLAB
- 157, LOWER CAMP - LARGE TENT/SHOP FOR CORE SHACK - NO FOUNDATION
- 158, CORE SHACKTENT
- 159, EXPLORATION SOTRAGE BUILDING
- 160, LOWER CAMP - WOODEN FRAMED STORAGE SHED - NO FOUNDATION
- 161, LOWER CAMP - CORE PROCESSING FACILITY (CPF)
- 162, LOWER CAMP - LARGE TENT/SHOP FOR CORE SHACK - NO FOUNDATION
- 163, LOWER CAMP - CPF OFFICE - WOODEN FRAMED BUILDING - NO FOUNDATION
- 164, LOWER CAMP - DRILLERS SHOP - FRAMED ROOF OVER CONNEXES
- 166, LOWER CAMP - DRILLERS STORAGE SHED - FRAMED - NO FOUNDATION
- 167, LOWER CAMP - CONNEXES (2X20') SIDE BY SIDE - NO FOUNDATION
- 168, LOWER CAMP - CONNEXES (2X20') SIDE BY SIDE - NO FOUNDATION
- 169, LOWER CAMP - DRILLERS BUILDING - FRAMED - NO FOUNDATION
- 170, LOWER CAMP - DRILLERS OFFICE - FRAMED - NO FOUNDATION
- 171, LOWER CAMP - CORE PROCESSING FACILITY
- 172, LOWER CAMP - BASKETBALL COURT
- 173, LOWER CAMP - TENT / SHOP - NO FOUNDATION
- 174, LOWER CAMP - CONTRACTOR OFFICE BUILDING - FRAMED - NO FOUNDATION
- 175, LOWER CAMP - MAIN HAZARDOUS WASTE CONTAINMENT BUILDING (MCB)
- 176, LOWER CAMP - HELI PAD FUEL TANK - IN CONTAINMENT - NO FOUNDATION
- 177, LOWER CAMP - HELIPAD - WOODEN STRUCTURE - NO FOUNDATION
- 178, LOWER CAMP - FUEL ISLAND - GAS FUEL TANK
- 179, LOWER CAMP - OLD METAL SKID WITH SMALL SHACK ON IT - CURRENTLY THE HELICOPTER MECHANICS OFFICE
- 180, HELI FUEL DISPENSER
- 181, LOWER CAMP - FUEL ISLAND - FUEL TANK
- 182, LOWER CAMP - FUEL TRUCK DISPENSER
- 183, LOWER CAMP - FUEL ISLAND - FUEL TANK
- 184, LOWER CAMP - LV FUEL DISPENSER
- 185, LOWER CAMP - HV FUEL DISPENSER
- 186, LOWER CAMP - ELECTRICAL MODULE - NO FOUNDATION
- 187, GENERATOR 4
- 188, LOWER CAMP - ELECTRICAL BUILDING - METAL BUILDING ON SLAB
- 189, LOWER CAMP - WOODEN SHED - NO FOUNDATION
- 190, LOWER CAMP - WOODEN SHED - NO FOUNDATION

- LEGEND**
- BUILDING
  - FACILITY DISTURBANCE



**REFERENCES**

1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.
3. AERIAL IMAGERY COURTESY OF ESRI, MAXAR, VIVID. DATES VARY.

CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT



YYYY-MM-DD	2023-08-17
DESIGNED	KJC
PREPARED	KJC
REVIEWED	-
APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 12 OF 13**

PROJECT NO.  
**31403899.000**

FIGURE  
**23**



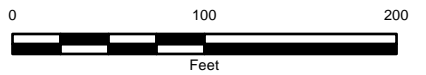
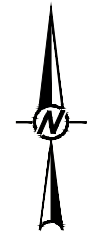


- 191, 1525 PORTAL - PROPANE TANK FOR THE PORTAL HEATERS
- 192, 1525 PORTAL - PROPANE TANK FOR THE PORTAL HEATERS
- 193, 1525 PORTAL - PROPANE VAPORIZER
- 194, 1525 PORTAL - PROPANE VAPORIZER
- 195, 1525 PORTAL - STORAGE CONNEXES (2) - NO FOUNDATION
- 196, 1525 PORTAL - STORAGE CONNEXES (2) - NO FOUNDATION
- 197, 1525 PORTAL - PORTAL HEATER BUILDING
- 198, 1525 PORTAL - ENTRANCE STRUCTURE - STEEL ON CONC. SLAB
- 199, 1525 PORTAL - SWICK MAINTENANCE SHOP
- 200, 1525 PORTAL - MAINTENANCE ROOM - FRAMED - NO FOUNDATION
- 201, 1525 PORTAL - COMPRESSOR ROOM / ELECTRICAL MODULE
- 202, 1525 PORTAL - WATER TREATMENT PLANT #2
- 203, 1525 PORTAL - FILTER CAKE LOADING BAY (SAME STRUCTURE)
- 204, 1525 PORTAL - WATER TREATMENT PLANT #3

**LEGEND**

BUILDING

FACILITY DISTURBANCE



- REFERENCES**
1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
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CONSULTANT	YYYY-MM-DD	2023-08-17
	DESIGNED	KJC
	PREPARED	KJC
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	APPROVED	-

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**BUILDINGS LAYOUT**  
**SHEET 13 OF 13**

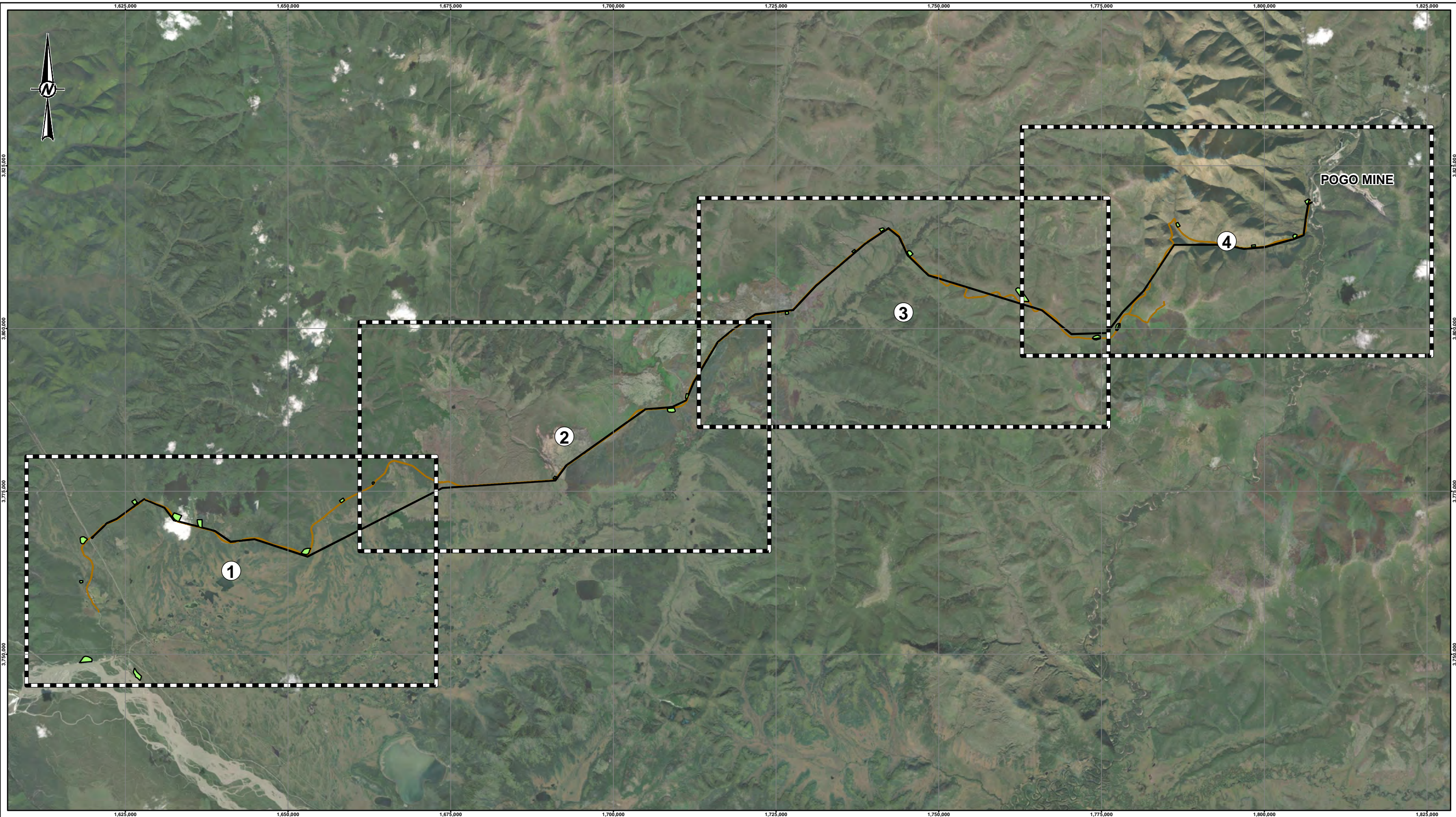
PROJECT NO.  
**31403899.000**

FIGURE  
**24**

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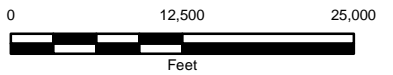
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- LEGEND**
- EXTENTS OF SHEETS 1 THROUGH 4
  - ROW DISTURBANCE AREA
  - ROW ACCESS ROAD
  - ROW TRANSMISSION LINE
  - BRIDGE

- REFERENCES**
1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
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  3. AERIAL IMAGERY: ESRI, MAXAR, VIVID, VARIOUS DATES.



CLIENT  
**POGO MINE**  
 NORTHERN STAR (POGO) LLC



CONSULTANT	YYYY-MM-DD	2023-03-03
DESIGNED	KJC	
PREPARED	KJC	
REVIEWED	-	
APPROVED	-	

PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**ROW FACILITIES OVERVIEW MAP**

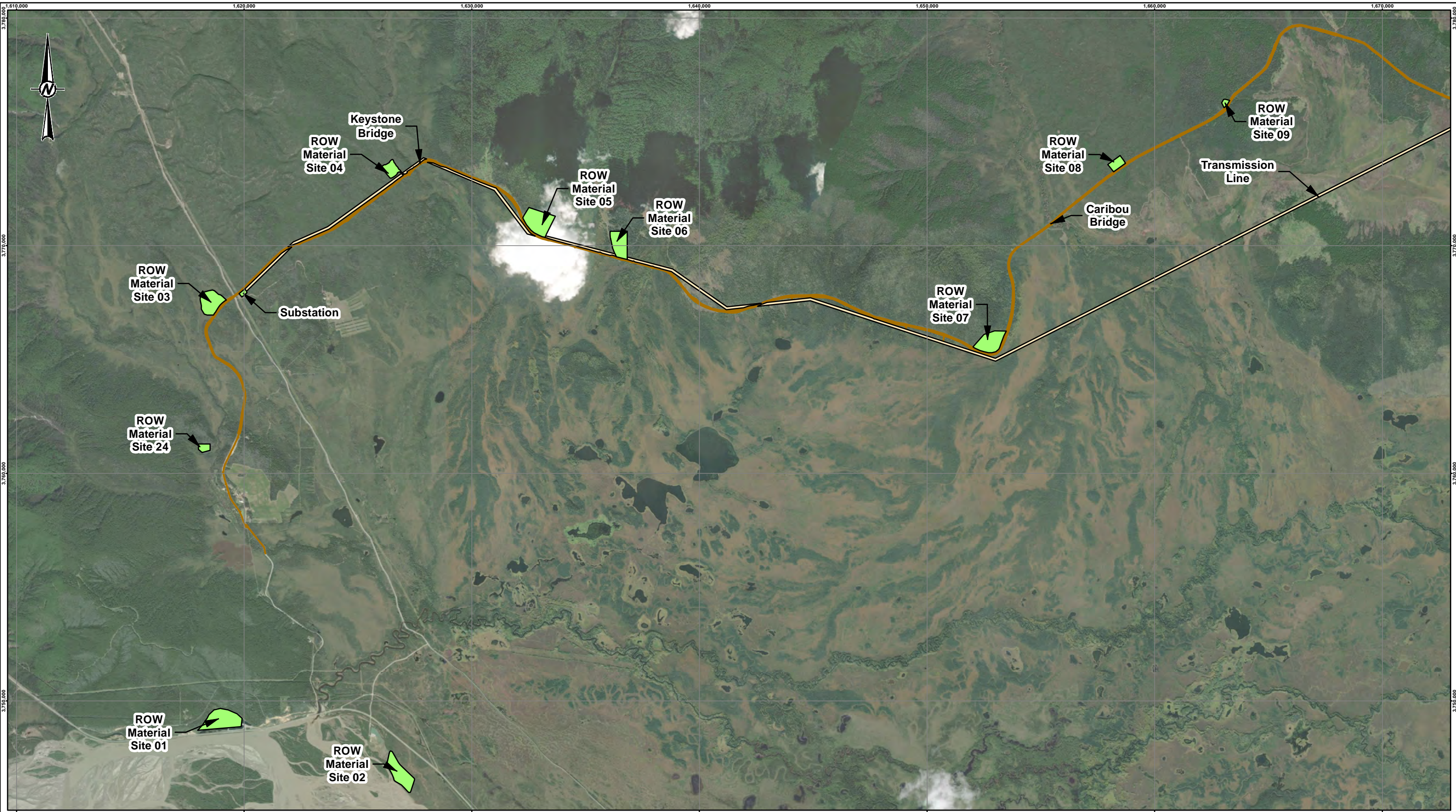
PROJECT NO.  
**31403899.000**

FIGURE  
**25**

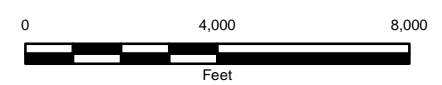
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





- LEGEND**
- EXTENTS OF SHEETS 1 THROUGH 4
  - ROW MATERIAL SITE
  - ROW ACCESS ROAD
  - ROW TRANSMISSION LINE
  - BRIDGE



- REFERENCES**
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CLIENT  
**POGO MINE**  
**NORTHERN STAR (POGO) LLC**

CONSULTANT

YYYY-MM-DD	2023-03-03
DESIGNED	KJC
PREPARED	KJC
REVIEWED	-
APPROVED	-



PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**ROW FACILITIES**  
**SHEET 1 OF 4**

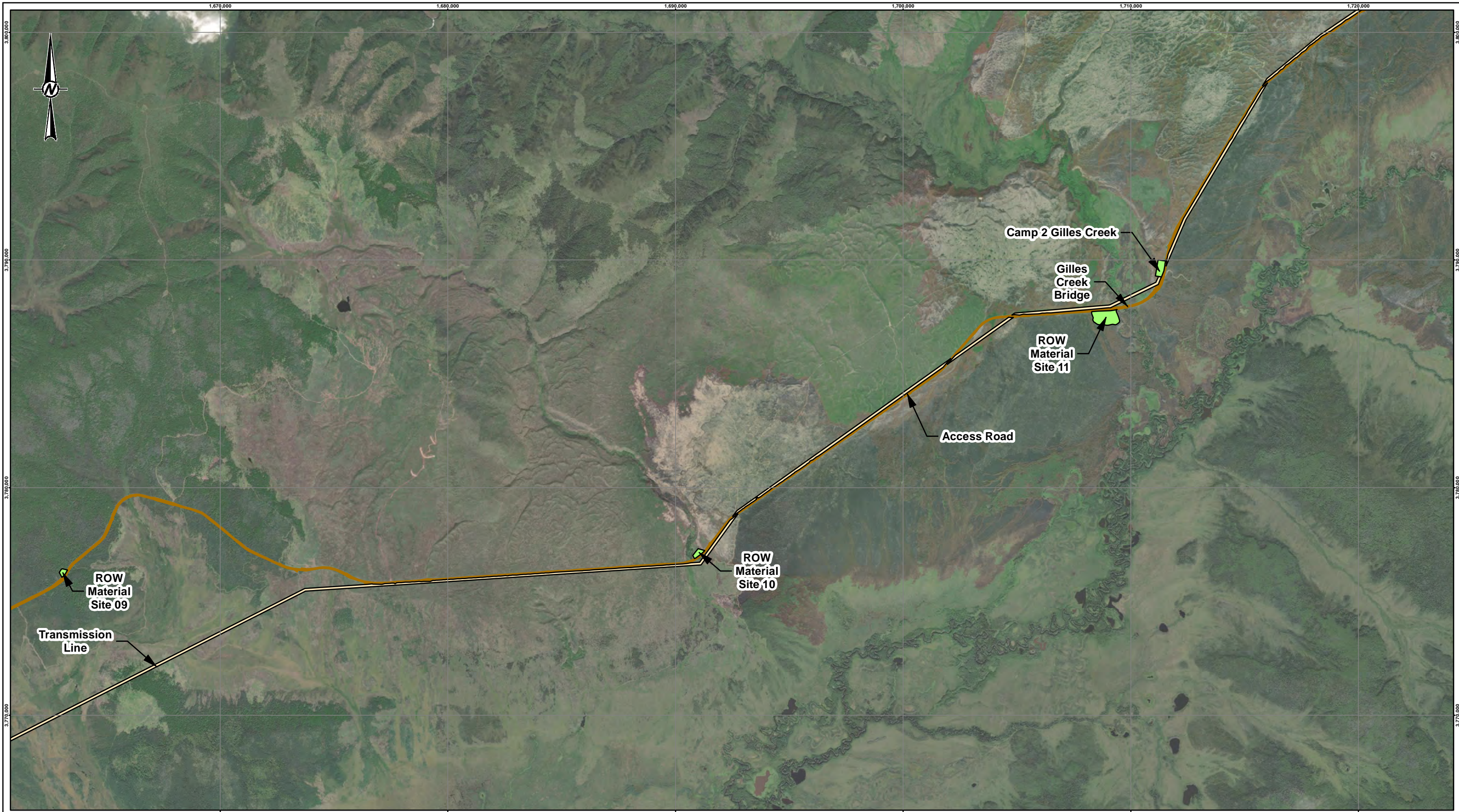
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FIGURE  
**26**






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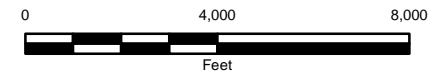
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- LEGEND**
-  EXTENTS OF SHEETS 1 THROUGH 4
  -  ROW MATERIAL SITE
  -  ROW ACCESS ROAD
  -  ROW TRANSMISSION LINE
  -  BRIDGE



- REFERENCES**
1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
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  3. AERIAL IMAGERY: ESRI, MAXAR, VIVID, VARIOUS DATES.

CLIENT  
 POGO MINE  
 NORTHERN STAR (POGO) LLC



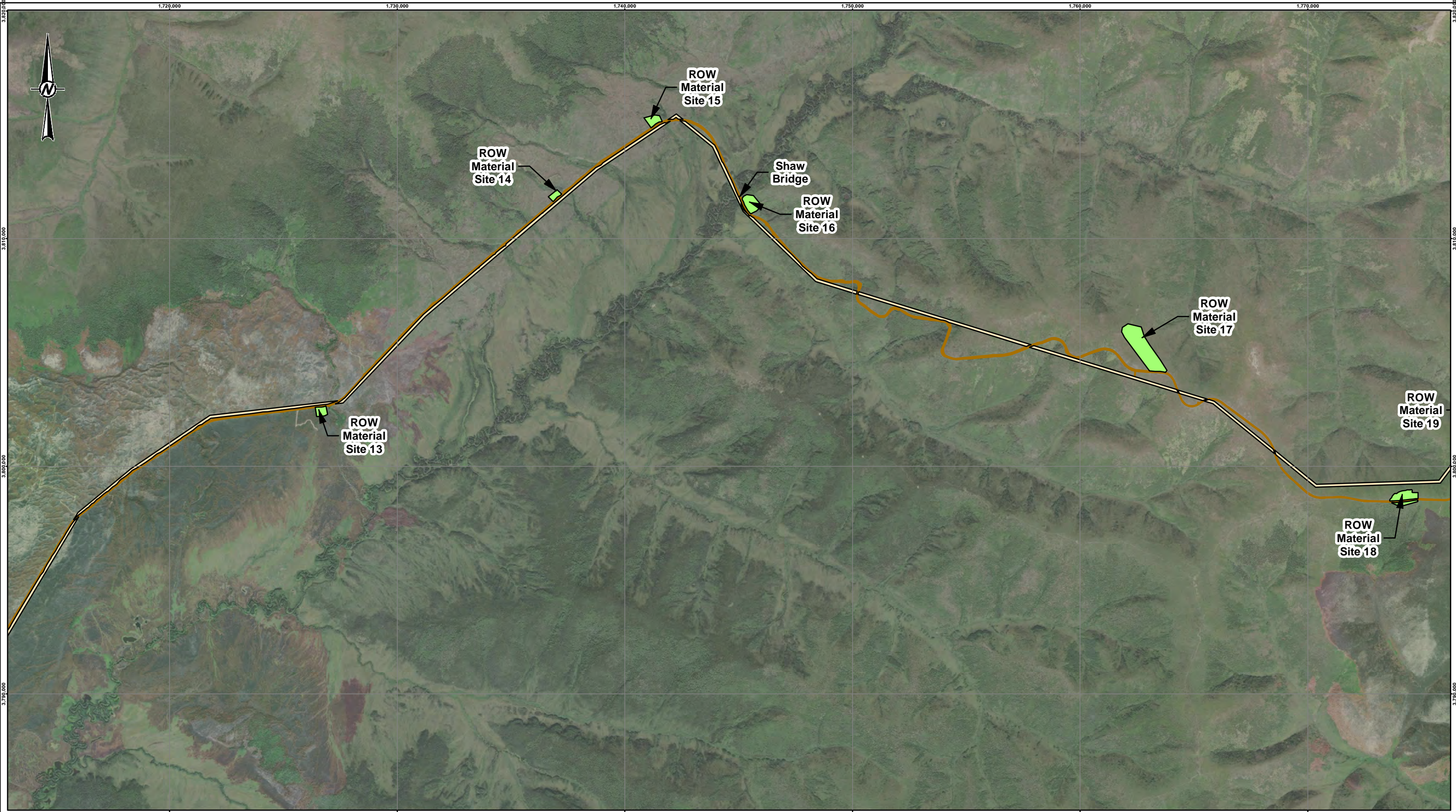
CONSULTANT	YYYY-MM-DD	2023-03-03
DESIGNED		KJC
PREPARED		KJC
REVIEWED		-
APPROVED		-

PROJECT  
 RECLAMATION COST ESTIMATE

TITLE  
**ROW FACILITIES  
 SHEET 2 OF 4**






PROJECT NO.  
 31403899.000

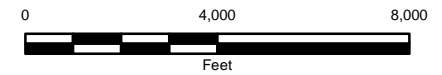




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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

- LEGEND**
-  EXTENTS OF SHEETS 1 THROUGH 4
  -  ROW MATERIAL SITE
  -  ROW ACCESS ROAD
  -  ROW TRANSMISSION LINE
  -  BRIDGE



- REFERENCES**
1. MINE FACILITY DATASETS PROVIDED TO WSP BY NORTHERN STAR (POGO) LLC, JANUARY 27, 2023
  2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.
  3. AERIAL IMAGERY: ESRI, MAXAR, VIVID, VARIOUS DATES.

CLIENT  
 POGO MINE  
 NORTHERN STAR (POGO) LLC

CONSULTANT



YYYY-MM-DD	2023-03-03
DESIGNED	KJC
PREPARED	KJC
REVIEWED	-
APPROVED	-

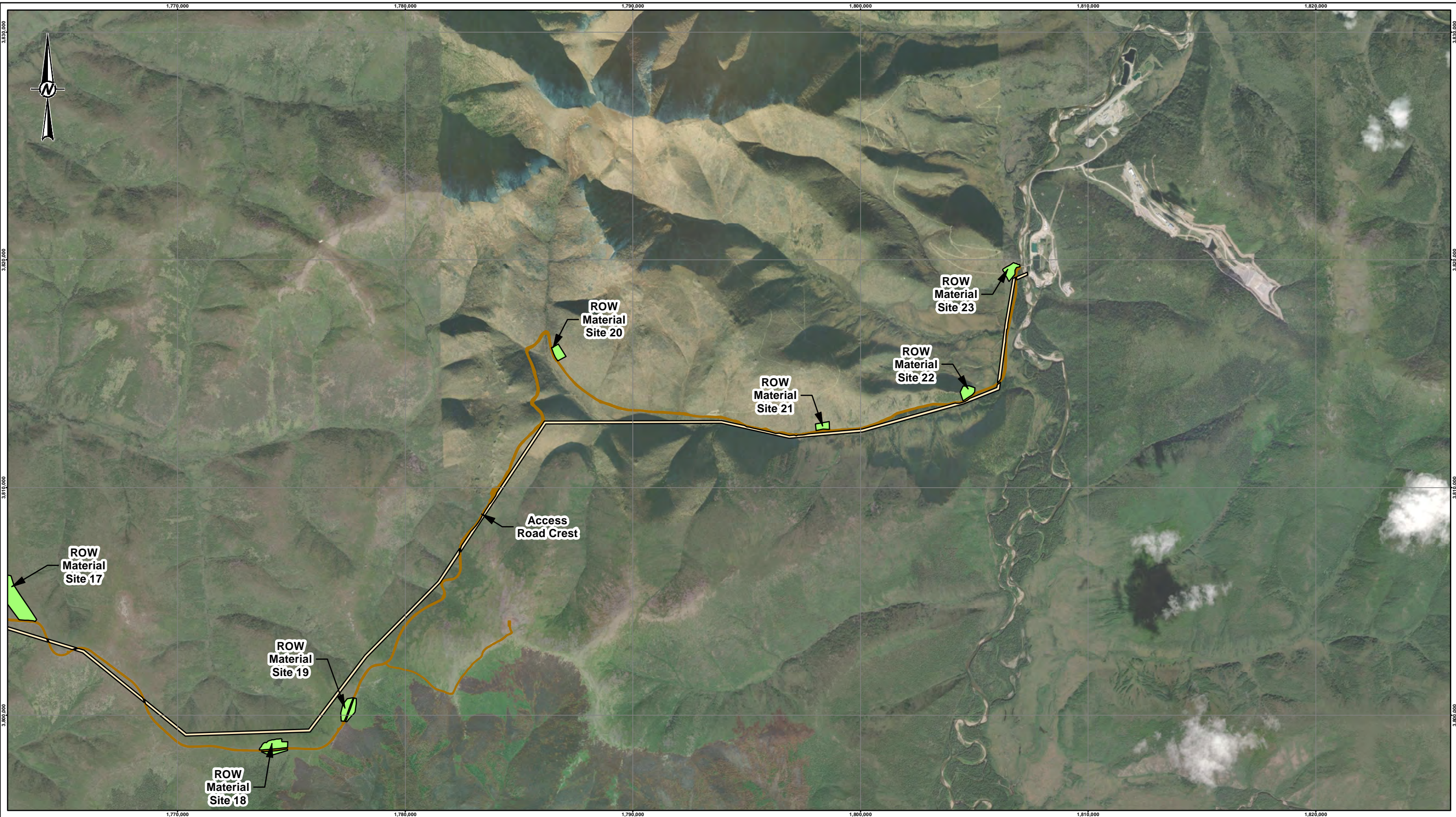
PROJECT  
 RECLAMATION COST ESTIMATE

TITLE  
**ROW FACILITIES**  
**SHEET 3 OF 4**






PROJECT NO.  
 31403899.000

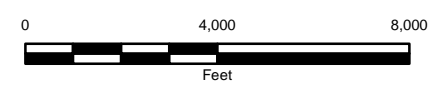
FIGURE  
 28





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 IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

- LEGEND**
-  EXTENTS OF SHEETS 1 THROUGH 4
  -  ROW MATERIAL SITE
  -  ROW ACCESS ROAD
  -  ROW TRANSMISSION LINE
  -  BRIDGE



- REFERENCES**
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  2. COORDINATE SYSTEM: NAD83 STATE PLANE ALASKA ZONE 3, US FT.
  3. AERIAL IMAGERY: ESRI, MAXAR, VIVID, VARIOUS DATES.

CLIENT  
**POGO MINE**  
 NORTHERN STAR (POGO) LLC

CONSULTANT	
YYYY-MM-DD	2023-03-03
DESIGNED	KJC
PREPARED	KJC
REVIEWED	-
APPROVED	-



PROJECT  
**RECLAMATION COST ESTIMATE**

TITLE  
**ROW FACILITIES**  
**SHEET 4 OF 4**

PROJECT NO.  
**31403899.000**



**APPENDIX A**

**Pogo RCE**

**Summary Tables**

**SRCE Model Provided as Separate  
Excel File**



<b>Mine + ROW Cost Estimate Total</b>				
<b>A. Earthwork/Recontouring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration	\$0	\$0	\$0	\$0
Exploration Roads & Drill Pads	\$0	\$0	\$0	\$0
Roads	\$120,085	\$256,493	\$0	\$376,578
Well Abandonment	\$19,010	\$9,477	\$145	\$24,632
Pits	\$9,519	\$20,575	N/A	\$30,094
Quarries & Borrow Areas	\$661	\$1,351	\$0	\$2,012
Underground Openings	\$16,751	\$1,234	\$12,350	\$30,335
Process Ponds	\$4,695	\$7,027	\$0	\$11,722
Heaps	\$2,907	\$3,819	\$6,279	\$12,604
Waste Rock Dumps	\$199,580	\$436,909	\$0	\$636,489
Landfills	\$0	\$0	\$0	\$0
Tailings	\$0	\$0	\$0	\$0
Foundation & Buildings Areas	\$242,139	\$354,376	\$0	\$596,515
Yards, Etc.	\$609,241	\$972,924	\$0	\$1,582,165
Drainage & Sediment Control	\$4,005,481	\$1,901,943	\$455,453	\$6,362,877
Generic Material Hauling	\$552,685	\$1,213,356	\$0	\$1,766,042
Other User Costs (from Other User sheet)	\$64,117	\$96,252	\$253,407	\$413,776
Other**	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$5,846,471</b>	<b>\$5,271,736</b>	<b>\$727,634</b>	<b>\$11,845,841</b>
Mob/Demob if included in Other User sheet	\$63,050	\$126,100	\$0	\$189,150
Mob/Demob	\$0	\$0	\$0	\$0
<b>Subtotal "A"</b>	<b>\$5,909,521</b>	<b>\$5,397,836</b>	<b>\$727,634</b>	<b>\$12,034,991</b>
<b>B. Revegetation/Stabilization</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration	\$0	\$0	\$0	\$0
Exploration Roads & Drill Pads	\$0	\$0	\$0	\$0
Roads	\$0	\$326,110	\$63,672	\$389,782
Well Abandonment	0	0	0	N/A
Pits	\$0	\$12,197	\$1,557	\$13,754
Quarries & Borrow Areas	\$0	\$0	\$0	\$0
Underground Openings	0	0	0	N/A
Process Ponds	\$0	\$3,049	\$389	\$3,438
Heaps	\$0	\$0	\$0	\$0
Waste Rock Dumps	\$0	\$274,458	\$58,417	\$332,875
Landfills	\$0	\$0	\$0	\$0
Tailings	\$0	\$0	\$0	\$0
Foundation & Buildings Areas	\$0	\$631,184	\$16,053	\$647,237
Yards, Etc.	\$0	\$174,079	\$36,572	\$210,651
Drainage & Sediment Control	\$11	\$115,300	\$23,454	\$138,765
Generic Material Hauling	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$2,055	\$108,441	\$238,711	\$349,207
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "B"</b>	<b>\$2,066</b>	<b>\$1,644,819</b>	<b>\$438,825</b>	<b>\$2,085,709</b>
<b>C. Detoxification/Water Treatment/Disposal of Wa</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Process Ponds/Sludge	\$0	\$0	\$0	\$0
Heaps	\$0	\$0	\$0	\$0
Dumps (Waste & Landfill)	\$0	\$0	\$0	\$0
Tailings	\$0	\$0	\$0	\$0
Surplus Water Disposal	\$0	\$0	\$0	\$0
Monitoring	\$0	\$0	\$0	\$0
Miscellaneous	\$0	\$0	\$0	\$0
Solid Waste - On Site	\$52,984	\$81,040	N/A	\$134,024
Solid Waste - Off Site	0	0	0	\$73,100
Hazardous Materials	0	0	0	\$32,308
Hydrocarbon Contaminated Soils	\$0	\$0	\$414,270	\$414,270
Pumping (from Solution Mgmt sheet)	\$0	\$0	N/A	\$0
Evaporation (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Treatment (from Solution Mgmt sheet)	\$471,927	\$2,275,468	\$2,204,475	\$4,951,870
Decontamination (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "C"</b>	<b>\$524,911</b>	<b>\$2,356,508</b>	<b>\$2,618,745</b>	<b>\$5,605,572</b>
<b>D. Structure, Equipment and Facility Removal, ar</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Foundation & Buildings Areas	\$8,805,648	\$2,682,842	\$0	\$11,488,490
Other Demolition	\$180,000	\$180,000	\$20,000	\$380,000
Equipment Removal	\$60,000	\$70,000	\$170,000	\$300,000
Fence Removal	\$4,876	\$768	\$0	\$5,644
Fence Installation	\$0	\$0	\$0	\$0
Culvert Removal	\$276,361	\$82,873	N/A	\$359,234
Pipe Removal	\$445,079	\$53,163	N/A	\$498,242
Powerline Removal	\$1,633,317	\$0	\$0	\$1,633,317
Transformer Removal	\$903,526	\$0	\$0	\$903,526
Rip-rap, rock lining, gabions	\$0	\$0	\$0	\$0
Other Misc. Costs	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$136,560	\$74,640	\$77,400	\$288,600
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "D"</b>	<b>\$12,445,367</b>	<b>\$3,144,286</b>	<b>\$267,400</b>	<b>\$15,857,053</b>
<b>E. Monitoring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Reclamation Monitoring and Maintenance	\$89,807	\$183,972	\$30,769	\$304,548
Ground and Surface Water Monitoring	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$1,251,722	\$537,406	\$2,130,927	\$3,920,055
<b>Subtotal "E"</b>	<b>\$1,341,529</b>	<b>\$721,378</b>	<b>\$2,161,696</b>	<b>\$4,224,603</b>
<b>F. Construction Management &amp; Support</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Construction Management	\$355,196	\$102,474	N/A	\$457,670
Construction Support	\$0	\$0	\$0	\$0
Road Maintenance	\$137,243	\$248,597	\$0	\$385,840
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "F"</b>	<b>\$492,439</b>	<b>\$351,071</b>	<b>\$0</b>	<b>\$843,510</b>
<b>G. Closure Planning, G&amp;A, HR</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Closure Planning				\$0
General & Administration				\$3,245,282
Human Resources				\$14,515,886
Other User Costs (from Other User sheet)				\$244,483
Other**				\$0
<b>Subtotal "G"</b>				<b>\$18,005,651</b>
<b>Subtotal Operational &amp; Maintenance Costs</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
<b>Subtotal A through G</b>	<b>\$20,715,833</b>	<b>\$13,860,380</b>	<b>\$6,214,299</b>	<b>\$58,657,089</b>
<b>Indirect Costs</b>			<b>Percentage</b>	<b>Total</b>
Contractor Profit: Calculated as 8% of the total Direct Costs			8%	\$4,692,567
Contractor Overhead: Calculated as 6% of the total Direct Costs			6%	\$3,519,425
Performance and Payment Bond: Calculated as 3% of the total Direct Costs			3%	\$1,759,713
Liability Insurance: Calculated as 1.5% of the total Labor Costs			1.5%	\$310,737
Contract Administration: Calculated as 7% of the total Direct Costs			7%	\$4,105,986
Engineering Redesign: Calculated as 5% of the total Direct Costs			5%	\$2,932,854
Contingency: Calculated as 8% of the total Direct Costs			8%	\$4,692,567
<b>Subtotal Indirect Costs</b>				<b>\$22,013,860</b>
Total Indirect Costs as % of Total Direct Costs				38%
<b>Total Direct &amp; Indirect Costs</b>				<b>\$80,670,949</b>
Inflation Proofing			17%	\$13,714,061
<b>GRAND TOTAL with inflation proofing</b>				<b>\$94,385,011</b>



<b>Mine - Holding Costs</b>				
<b>A. Earthwork/Recontouring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration				\$0
Exploration Roads & Drill Pads				\$0
Roads	\$0	\$0	\$0	\$0
Well Abandonment	\$0	\$0	\$0	\$0
Pits				\$0
Quarries & Borrow Areas	\$0	\$0	\$0	\$0
Underground Openings				\$0
Process Ponds				\$0
Heaps				\$0
Waste Rock Dumps				\$0
Landfills				\$0
Tailings	\$0	\$0	\$0	\$0
Foundation & Buildings Areas				\$0
Yards, Etc.				\$0
Drainage & Sediment Control	\$0	\$0	\$0	\$0
Generic Material Hauling	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				\$0
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Mob/Demob if included in Other User sheet	\$0	\$0	\$0	\$0
Mob/Demob				\$0
<b>Subtotal "A"</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>B. Revegetation/Stabilization</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration				\$0
Exploration Roads & Drill Pads				\$0
Roads				\$0
Well Abandonment				0
Pits				\$0
Quarries & Borrow Areas				\$0
Underground Openings				0
Process Ponds				\$0
Heaps				\$0
Waste Rock Dumps				\$0
Landfills				\$0
Tailings				\$0
Foundation & Buildings Areas				\$0
Yards, Etc.				\$0
Drainage & Sediment Control				\$0
Generic Material Hauling				\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				\$0
<b>Subtotal "B"</b>				<b>\$0</b>
<b>C. Detoxification/Water Treatment/Disposal of Wa</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Process Ponds/Sludge				
Heaps				
Dumps (Waste & Landfill)				
Tailings				
Surplus Water Disposal				
Monitoring				
Miscellaneous				
Solid Waste - On Site				
Solid Waste - Off Site				
Hazardous Materials				
Hydrocarbon Contaminated Soils				
Pumping (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Evaporation (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Treatment (from Solution Mgmt sheet)	\$0	\$343,244	\$345,800	\$689,044
Decontamination (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				\$0
<b>Subtotal "C"</b>	<b>\$0</b>	<b>\$343,244</b>	<b>\$345,800</b>	<b>\$689,044</b>
<b>D. Structure, Equipment and Facility Removal, ar</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Foundation & Buildings Areas				\$0
Other Demolition				\$0
Equipment Removal				\$0
Fence Removal				\$0
Fence Installation				\$0
Culvert Removal				\$0
Pipe Removal				\$0
Powerline Removal				\$0
Transformer Removal				\$0
Rip-rap, rock lining, gabions				\$0
Other Misc. Costs				\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				\$0
<b>Subtotal "D"</b>				<b>\$0</b>
<b>E. Monitoring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Reclamation Monitoring and Maintenance				\$0
Ground and Surface Water Monitoring				\$0
Other User Costs (from Other User sheet)	\$183,612	\$119,113	\$370,579	\$673,305
<b>Subtotal "E"</b>	<b>\$183,612</b>	<b>\$119,113</b>	<b>\$370,579</b>	<b>\$673,305</b>
<b>F. Construction Management &amp; Support</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Construction Management				\$0
Construction Support				\$0
Road Maintenance				\$0
Other User Costs (from Other User sheet)				\$0
Other**				\$0
<b>Subtotal "F"</b>				<b>\$0</b>
<b>G. Closure Planning, G&amp;A, HR</b>			<b>Materials</b>	<b>Total</b>
Closure Planning				
General & Administration				\$1,028,949
Human Resources				\$2,304,769
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				\$0
<b>Subtotal "G"</b>				<b>\$3,333,718</b>
<b>Subtotal Operational &amp; Maintenance Costs</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
<b>Subtotal A through G</b>	<b>\$183,612</b>	<b>\$462,358</b>	<b>\$716,379</b>	<b>\$4,696,067</b>
<b>Indirect Costs</b>			check:	\$0
Contractor Profit: Calculated as 8% of the total Direct Costs			8%	\$375,685
Contractor Overhead: Calculated as 6% of the total Direct Costs			6%	\$281,764
Performance and Payment Bond: Calculated as 3% of the total Direct Costs			3%	\$140,882
Liability Insurance: Calculated as 1.5% of the total Labor Costs			1.5%	\$2,754
Contract Administration: Calculated as 7% of the total Direct Costs			7%	\$328,725
Engineering Redesign: Calculated as 5% of the total Direct Costs			5%	\$234,803
Contingency: Calculated as 8% of the total Direct Costs			8%	\$375,685
<b>Subtotal Indirect Costs</b>				<b>\$1,740,299</b>
Total Indirect Costs as % of Total Direct Costs				37%
<b>Total Direct &amp; Indirect Costs</b>				<b>\$6,436,366</b>
Inflation Proofing			17%	\$1,094,182
<b>GRAND TOTAL with inflation proofing</b>				<b>\$7,530,548</b>





<b>Mine Cost Items</b>				
<b>A. Earthwork/Recontouring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration	\$0	\$0	\$0	\$0
Exploration Roads & Drill Pads	\$0	\$0	\$0	\$0
Roads	\$76,726	\$159,355	\$0	\$236,081
Well Abandonment	\$19,010	\$5,477	\$145	\$24,632
Pits	\$9,519	\$20,575	\$0	\$30,094
Quarries & Borrow Areas	\$661	\$1,351	\$0	\$2,012
Underground Openings	\$16,751	\$1,234	\$12,350	\$30,335
Process Ponds	\$4,695	\$7,027	\$0	\$11,722
Heaps	\$2,507	\$3,819	\$6,279	\$12,604
Waste Rock Dumps	\$199,580	\$436,909	\$0	\$636,489
Landfills	\$0	\$0	\$0	\$0
Tailings	\$0	\$0	\$0	\$0
Foundation & Buildings Areas	\$242,139	\$354,376	\$0	\$596,515
Yards, Etc.	\$363,885	\$597,347	\$0	\$961,232
Drainage & Sediment Control	\$4,005,481	\$1,901,943	\$455,453	\$6,362,877
Generic Material Hauling	\$552,685	\$1,213,356	\$0	\$1,766,042
Other User Costs (from Other User sheet)	\$64,117	\$96,252	\$253,407	\$413,776
Other**	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$5,557,756</b>	<b>\$4,799,021</b>	<b>\$727,634</b>	<b>\$11,084,411</b>
Mob/Demob if included in Other User sheet	0	0	0	0
Mob/Demob	\$126,100	\$0	\$63,050	\$189,150
<b>Subtotal "A"</b>	<b>\$5,620,806</b>	<b>\$4,925,121</b>	<b>\$727,634</b>	<b>\$11,273,561</b>
<b>B. Revegetation/Stabilization</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration	\$0	\$0	\$0	\$0
Exploration Roads & Drill Pads	\$0	\$0	\$0	\$0
Roads	\$0	\$326,110	\$63,672	\$389,782
Well Abandonment	0	0	0	0
Pits	\$0	\$12,197	\$1,557	\$13,754
Quarries & Borrow Areas	\$0	\$0	\$0	\$0
Underground Openings	0	0	0	0
Process Ponds	\$0	\$3,049	\$389	\$3,438
Heaps	\$0	\$0	\$0	\$0
Waste Rock Dumps	\$0	\$274,458	\$58,417	\$332,875
Landfills	\$0	\$0	\$0	\$0
Tailings	\$0	\$0	\$0	\$0
Foundation & Buildings Areas	\$0	\$631,184	\$16,053	\$647,237
Yards, Etc.	\$0	\$174,079	\$36,572	\$210,651
Drainage & Sediment Control	\$11	\$115,300	\$23,454	\$138,765
Generic Material Hauling	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "B"</b>	<b>\$11</b>	<b>\$1,536,377</b>	<b>\$200,114</b>	<b>\$1,736,502</b>
<b>C. Detoxification/Water Treatment/Disposal of Wa</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Process Ponds/Sludge				\$0
Heaps				\$0
Dumps (Waste & Landfill)				\$0
Tailings				\$0
Surplus Water Disposal				\$0
Monitoring				\$0
Miscellaneous				\$0
Solid Waste - On Site	\$52,984	\$81,040	0	\$134,024
Solid Waste - Off Site	0	0	0	\$73,100
Hazardous Materials	0	0	0	\$32,308
Hydrocarbon Contaminated Soils	\$0	\$0	\$414,270	\$414,270
Pumping (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Evaporation (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Treatment (from Solution Mgmt sheet)	\$471,927	\$1,932,223	\$1,858,675	\$4,262,826
Decontamination (from Solution Mgmt sheet)	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "C"</b>	<b>\$524,911</b>	<b>\$2,013,263</b>	<b>\$2,272,945</b>	<b>\$4,916,528</b>
<b>D. Structure, Equipment and Facility Removal, ar</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Foundation & Buildings Areas	\$8,805,648	\$2,682,842	\$0	\$11,488,490
Other Demolition	\$180,000	\$180,000	\$20,000	\$380,000
Equipment Removal	\$60,000	\$70,000	\$170,000	\$300,000
Fence Removal	\$4,876	\$768	\$0	\$5,644
Fence Installation	\$0	\$0	\$0	\$0
Culvert Removal	\$149,407	\$44,803	\$0	\$194,210
Pipe Removal	\$445,079	\$53,163	\$0	\$498,242
Powerline Removal	\$81,702	\$0	\$0	\$81,702
Transformer Removal	\$903,526	\$0	\$0	\$903,526
Rip-rap, rock lining, gabions	\$0	\$0	\$0	\$0
Other Misc. Costs	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$136,560	\$74,640	\$77,400	\$288,600
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "D"</b>	<b>\$10,766,798</b>	<b>\$3,106,216</b>	<b>\$267,400</b>	<b>\$14,140,414</b>
<b>E. Monitoring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Reclamation Monitoring and Maintenance	\$89,807	\$183,972	\$30,769	\$304,548
Ground and Surface Water Monitoring	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$1,068,110	\$418,292	\$1,760,348	\$3,246,750
<b>Subtotal "E"</b>	<b>\$1,157,917</b>	<b>\$602,264</b>	<b>\$1,791,117</b>	<b>\$3,551,298</b>
<b>F. Construction Management &amp; Support</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Construction Management	\$177,598	\$51,237	\$0	\$228,835
Construction Support	\$0	\$0	\$0	\$0
Road Maintenance	\$137,243	\$248,597	\$0	\$385,840
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "F"</b>	<b>\$314,841</b>	<b>\$299,834</b>	<b>\$0</b>	<b>\$614,675</b>
<b>G. Closure Planning, G&amp;A, HR</b>			<b>Materials</b>	<b>Total</b>
Closure Planning	0	0	0	\$0
General & Administration	0	0	0	\$2,152,933
Human Resources	0	0	0	\$11,524,908
Other User Costs (from Other User sheet)	\$0	\$244,483	\$0	\$244,483
Other**	\$0	\$0	\$0	\$0
<b>Subtotal "G"</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$13,922,324</b>
<b>Subtotal Operational &amp; Maintenance Costs</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
<b>Subtotal A through G</b>	<b>\$18,385,284</b>	<b>\$12,727,559</b>	<b>\$5,259,210</b>	<b>\$50,155,302</b>
<b>Indirect Costs</b>			check:	\$ 60,665
Contractor Profit: Calculated as 8% of the total Direct Costs			8%	\$4,012,424
Contractor Overhead: Calculated as 6% of the total Direct Costs			6%	\$3,009,318
Performance and Payment Bond: Calculated as 3% of the total Direct Costs			3%	\$1,504,659
Liability Insurance: Calculated as 1.5% of the total Labor Costs			1.5%	\$275,779
Contract Administration: Calculated as 7% of the total Direct Costs			7%	\$3,510,871
Engineering Redesign: Calculated as 5% of the total Direct Costs			5%	\$2,507,765
Contingency: Calculated as 8% of the total Direct Costs			8%	\$4,012,424
<b>Subtotal Indirect Costs</b>				<b>\$18,833,241</b>
Total Indirect Costs as % of Total Direct Costs				38%
<b>Total Direct &amp; Indirect Costs</b>				<b>\$68,988,543</b>
Inflation Proofing			17%	\$11,728,052
<b>GRAND TOTAL with inflation proofing</b>				<b>\$80,716,595</b>



<b>ROW Cost Items</b>				
<b>A. Earthwork/Recontouring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration				
Exploration Roads & Drill Pads				
Roads	\$43,359	\$97,138	\$0	\$140,497
Well Abandonment	\$0	\$0	\$0	\$0
Pits				
Quarries & Borrow Areas				
Underground Openings				
Process Ponds				
Heaps				
Waste Rock Dumps				
Landfills				
Tailings				
Foundation & Buildings Areas				
Yards, Etc.	\$245,356	\$375,577	\$0	\$620,933
Drainage & Sediment Control				
Generic Material Hauling	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				
<b>Subtotal</b>	<b>\$288,715</b>	<b>\$472,715</b>	<b>\$0</b>	<b>\$761,430</b>
Mob/Demob if included in Other User sheet	\$0	\$0	\$0	\$0
Mob/Demob				
<b>Subtotal "A"</b>	<b>\$288,715</b>	<b>\$472,715</b>	<b>\$0</b>	<b>\$761,430</b>
<b>B. Revegetation/Stabilization</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Exploration				
Exploration Roads & Drill Pads				
Roads				
Well Abandonment				
Pits				
Quarries & Borrow Areas				
Underground Openings				
Process Ponds				
Heaps				
Waste Rock Dumps				
Landfills				
Tailings				
Foundation & Buildings Areas				
Yards, Etc.				
Drainage & Sediment Control				
Generic Material Hauling				
Other User Costs (from Other User sheet)	\$2,055	\$108,441	\$238,711	\$349,207
Other**				
<b>Subtotal "B"</b>	<b>\$2,055</b>	<b>\$108,441</b>	<b>\$238,711</b>	<b>\$349,207</b>
<b>C. Detoxification/Water Treatment/Disposal of Wa</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Process Ponds/Sludge				
Heaps				
Dumps (Waste & Landfill)				
Tailings				
Surplus Water Disposal				
Monitoring				
Miscellaneous				
Solid Waste - On Site				
Solid Waste - Off Site				
Hazardous Materials				
Hydrocarbon Contaminated Soils				
Pumping (from Solution Mgmt sheet)				
Evaporation (from Solution Mgmt sheet)				
Treatment (from Solution Mgmt sheet)				
Decontamination (from Solution Mgmt sheet)				
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				
<b>Subtotal "C"</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>D. Structure, Equipment and Facility Removal, ar</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Foundation & Buildings Areas				\$0
Other Demolition				
Equipment Removal				
Fence Removal	\$0	\$0	\$0	\$0
Fence Installation	\$0	\$0	\$0	\$0
Culvert Removal	\$126,954	\$38,070	\$0	\$165,024
Pipe Removal	\$0	\$0	\$0	\$0
Powerline Removal	\$1,551,615	\$0	\$0	\$1,551,615
Transformer Removal	\$0	\$0	\$0	\$0
Rip-rap, rock lining, gabions	\$0	\$0	\$0	\$0
Other Misc. Costs				
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				
<b>Subtotal "D"</b>	<b>\$1,678,569</b>	<b>\$38,070</b>	<b>\$0</b>	<b>\$1,716,639</b>
<b>E. Monitoring</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Reclamation Monitoring and Maintenance	\$0	\$0	\$0	\$0
Ground and Surface Water Monitoring	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				
<b>Subtotal "E"</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>F. Construction Management &amp; Support</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
Construction Management	\$177,598	\$51,237	\$0	\$228,835
Construction Support	\$0	\$0	\$0	\$0
Road Maintenance	\$0	\$0	\$0	\$0
Other User Costs (from Other User sheet)				
Other**				
<b>Subtotal "F"</b>	<b>\$177,598</b>	<b>\$51,237</b>	<b>\$0</b>	<b>\$228,835</b>
<b>G. Closure Planning, G&amp;A, HR</b>			<b>Materials</b>	<b>Total</b>
Closure Planning				
General & Administration				\$63,400
Human Resources				\$686,209
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				
<b>Subtotal "G"</b>				<b>\$749,609</b>
<b>Subtotal Operational &amp; Maintenance Costs</b>	<b>Labor</b>	<b>Equipment</b>	<b>Materials</b>	<b>Total</b>
<b>Subtotal A through G</b>	<b>\$2,146,937</b>	<b>\$670,463</b>	<b>\$238,711</b>	<b>\$3,805,720</b>
<b>Indirect Costs</b>			check:	0
Contractor Profit: Calculated as 8% of the total Direct Costs			8%	\$304,458
Contractor Overhead: Calculated as 6% of the total Direct Costs			6%	\$228,343
Performance and Payment Bond: Calculated as 3% of the total Direct Costs			3%	\$114,172
Liability Insurance: Calculated as 1.5% of the total Labor Costs			1.5%	\$32,204
Contract Administration: Calculated as 7% of the total Direct Costs			7%	\$266,400
Engineering Redesign: Calculated as 5% of the total Direct Costs			5%	\$190,286
Contingency: Calculated as 8% of the total Direct Costs			8%	\$304,458
<b>Subtotal Indirect Costs</b>				<b>\$1,440,320</b>
Total Indirect Costs as % of Total Direct Costs				38%
<b>Total Direct &amp; Indirect Costs</b>				<b>\$5,246,040</b>
Inflation Proofing			17%	\$891,827
<b>GRAND TOTAL with inflation proofing</b>				<b>\$6,137,867</b>





**APPENDIX B**

**Pogo Cost Data File & Rates  
Information**



<b>Format Version:</b>	SRCE Data File v1.12	
<b>File Name:</b>	Pogo_CDF_ (cross-referenced data from SRCE file) golder update aug 2023.xlsm	
<b>Date:</b>	August 1, 2023	
<b>Cost Type:</b>	User Data	
<b>Author/Source:</b>	NSR Pogo/Golder	
<b>Units of Measure:</b>	Imperial	
<b>No. of Bases/Regions:</b>	4	
<b>Basis/Region</b>	<b>Basis/Region Name</b>	<b>Basis/Region Description</b>
Basis 1	do not use (2012)	2012 equipment rental and operation rates adjusted for Central AK region, <a href="http://www.equipmentwatch.com">http://www.equipmentwatch.com</a>
Basis 2	do not use	
Basis 3	Pogo Bond 2023	Equipment rental; Alaska Pamphlet 600 labor.
Basis 4		
Basis 5		
Basis 6		
Basis 7	Pogo Bond 2022 - do not use	Equipment rental; Alaska Pamphlet 600 labor.
Basis 8		
Basis 9		
Basis 10		
Basis 11		
Basis 12		
Basis 13		
Basis 14		
Basis 15		



**APPENDIX B-1**

**Equipment Rates: NC Machinery  
Fairbanks, Alaska**



Operations hours per month:	200
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**EQUIPMENT RATE TABLE**

Item	2016 Monthly Rental Rate w/o Fuel	2022 Monthly Rental Rate w/o Fuel	2016 MobilDemob cost per piece of equipment	2022 MobilDemob cost per piece of equipment
<b>Bulldozers</b>				
D6T	\$14,000	14675	\$2400 rmd trp	\$3150 RT
D6T w/ Winch	\$15,000	14675	\$2400 rmd trp	\$3150 RT
D7E	\$16,500	16500	\$2400 rmd trp	\$3500 RT
D8T	\$21,000	21900	\$6,000 rmd trp	\$5000 RT
D9T	\$31,000.00	33000	\$7,500 rmd trp	\$7200 RT
D10T	\$36,000	38000	\$8500 rmd trp	\$8500 RT
D11T	\$39,500	44000	\$10,000 rmd trp	\$12000 RT
<b>Wheeled Dozers</b>				
824G				
834G				
844				
854G				
<b>Motor Graders</b>				
120H				
14 MG	\$12,750	19000	\$3250 rmd trp	\$3150 RT
16 MG	\$34,000	26000	4400 rmd trp	\$4500 RT
24M				
<b>Track Excavators</b>				
315F	\$6,500	7700	\$2400 rmd trp	\$2400 RT
323F	\$8,500	8900	\$2400 rmd trp	\$2600 RT
323F	\$11,000	11000	\$2400 rmd trp	\$2900 RT
338EL F	\$13,500	14250	\$3500 rmd trp	\$4500 RT
349ELUF	\$17,500	18500	\$5000 rmd trp	\$5200 RT
374F	\$24,000	26000	\$7000 rmd trp	\$8500 RT
390F	\$31,000	33000	\$10,500 rmd trp	\$12000 RT
<b>Scrapers</b>				
631G				
637G				
<b>Wheeled Loaders</b>				
924K	\$4,620	7000	\$2400 rmd trp	\$2400 RT
930K	\$6,050	8000	\$2400 rmd trp	\$2400 RT
950K	\$8,250	9700	\$2400 rmd trp	\$2400 RT
966K	\$12,000	12900	\$2400 rmd trp	\$2600 RT
972K	\$14,900	15500	\$3750 rmd trp	\$2900 RT
980K	\$18,250	19800	\$4600 rmd trp	\$4500 RT
988K	\$29,500	30500	\$8000 rmd trp	\$7200 RT
990				
992G				
994D				
L2350				
<b>Shovels</b>				
PC2000				
PC3000				
PC4000				
PC5500				
PC8000				
<b>Hydraulic Hammers</b>				
H-120 (fits 325)	\$8,550	8550	\$1800 rmd trp	\$2000 RT
H-160 (fits 345)	\$9,800	10200	\$1800 rmd trp	\$2000 RT
H-180 (fits 365/385)		17000		
<b>Demolition Shears</b>				
S340 (fits 322/325/330)			N/A	
S385 (fits 330/345)			N/A	
S390 (fits 365/385)			N/A	
<b>Demolition Grapples</b>				
G315 (fits 322/325)			N/A	
G320 (fits 325/330)			N/A	
G330 (fits 345/365)			N/A	
<b>Other Equipment</b>				
420D 4WD Backhoe	\$3,750	4450	\$2400 rmd trp	\$2400 RT
428D 4WD Backhoe				
CS633E Vibratory Roller				
CP633E Sheepsfoot Compactor	\$7,500	8200	\$2400 rmd trp	\$2800 RT
CP633E Sheepsfoot Compactor	\$8,450	9400	\$2400 rmd trp	\$2800 RT
Light Truck - 1.5 Ton				
Supervisor's Truck				
Flarebed Truck				
Air Compressor - tools				
Welding Equipment				
Heavy Duty Drill Rig				
Pump (plugging) Drill Rig				
Concrete Pump				
Gas Engine Vibrator				
Generator 5KW				
HDEP Welder (pipe or liner)				
5 Ton Crane				
20 Ton Crane				
50 Ton Crane				
120 Ton Crane				
<b>Trucks</b>				
725				
730	\$18,000	18000	\$3500 rmd trp	\$2800 RT
735	\$19,000	19800	\$3800 rmd trp	\$3800 RT
740	\$22,000	22000	\$5000 rmd trp	\$4400 RT
745		22900		
773E				
777D				
785C				
793C				
797B				
613E (5,000 gal) Water Wagon				
621E (8,000 gal) Water Wagon				
777D Water Truck				
785C Water Truck				
Dump Truck (10-12 yd <sup>3</sup> )				





**APPENDIX B-2**

**Labor Rates Fairbanks, Alaska**



# Labor Rates

<b>File Name:</b>	<i>Pogo_CDF_ (cross-referenced data from</i>
<b>Date:</b>	<i>August 1, 2023</i>
<b>Cost Basis:</b>	<i>User Data</i>
<b>Author/Source:</b>	<i>NSR Pogo/Golder</i>

HOURLY LABOR RATE TABLE						
EQUIPMENT TYPE <sup>(1)</sup> OR JOB DESCRIPTION	Basis 1		Basis 2		Basis 3	
	<i>do not use (2012)</i>		<i>do not use</i>		<i>Pogo Bond 2023</i>	
<b>EQUIPMENT OPERATORS - Labor Groups and Base Pay Rate (\$/hr) <sup>(2)</sup></b>						
<b>Bulldozers</b>						
D6R		\$75.57			A1601	\$87.05
D6R w/ Winch		\$75.57			A1601	\$87.05
D7R		\$75.57			A1601	\$87.05
D8R		\$75.57			A1601	\$87.05
D9R		\$75.57			A1601	\$87.05
D10R		\$75.57			A1601	\$87.05
D11R		\$75.57			A1601	\$87.05
<b>Wheeled Dozers</b>						
824G		\$75.57			A1601	\$87.05
834G		\$75.57			A1601	\$87.05
844		\$75.57			A1601	\$87.05
854G		\$75.57			A1601	\$87.05
<b>Motor Graders</b>						
120H		\$75.57			A1601	\$87.05
14G/H		\$75.57			A1601	\$87.05
16G/H		\$75.57			A1601	\$87.05
24M		\$75.57			A1601	\$87.05
<b>Track Excavators</b>						
312C		\$72.95			A1601	\$87.05
320C		\$72.95			A1601	\$87.05
325C		\$72.95			A1601	\$87.05
330C		\$72.95			A1601	\$87.05
345B		\$72.95			A1602	\$89.43
365BL		\$72.95			A1602	\$89.43
385BL		\$72.95			A1602	\$89.43
<b>Scrapers</b>						
631G		\$75.57			A1601	\$87.05
637G PP		\$75.57			A1601	\$87.05
<b>Wheeled Loaders</b>						
924G		\$75.57			A1604	\$89.43
928G		\$75.57			A1601	\$87.05
950G		\$75.57			A1601	\$87.05
966G		\$75.57			A1601	\$87.05
972G		\$75.57			A1601	\$87.05
980G		\$75.57			A1602	\$89.43
988G		\$75.57			A1602	\$89.43
990		\$75.57			A1602	\$89.43
992G		\$75.57			A1602	\$89.43
994D		\$75.57			A1602	\$89.43
L-2350		\$75.57			A1602	\$89.43
<b>Shovels</b>						
KOM PC2000		\$75.57			A1602	\$89.43
KOM PC3000		\$75.57			A1602	\$89.43
KOM PC4000		\$75.57			A1602	\$89.43
KOM PC5500		\$75.57			A1602	\$89.43
KOM PC8000		\$75.57			A1602	\$89.43
<b>Hydraulic Hammers</b>						
H-120 (fits 325)						
H-160 (fits 345)						
H-180 (fits 365/385)						
<b>Demolition Shears</b>						
S340 (fits 322/325/330)						
S365 (fits 330/345)						
S390 (fits 365/385)						
<b>Demolition Grapples</b>						
G315 (fits 322/325)						
G320 (fits 325/330)						
G330 (fits 345/365)						
<b>Other Equipment</b>						
420D 4WD Backhoe		\$72.95			A1601	\$87.05
428D 4WD Backhoe		\$72.95			A1601	\$87.05
CS533E Vibratory Roller		\$72.95			A1601	\$87.05
CS663E Vibratory Roller		\$72.95			A1601	\$87.05
CP533E Sheepsfoot Compactor		\$68.86			A2105	\$82.52
CP663E Sheepsfoot Compactor		\$68.86			A2105	\$82.52
Light Truck - 1.5 Ton		\$72.95			A1601	\$87.05
Supervisor's Truck		\$72.95			A1601	\$87.05
Flatbed Truck		\$72.95			A1601	\$87.05



# Labor Rates

<b>File Name:</b>	<i>Pogo_CDF_ (cross-referenced data from</i>
<b>Date:</b>	<i>August 1, 2023</i>
<b>Cost Basis:</b>	<i>User Data</i>
<b>Author/Source:</b>	<i>NSR Pogo/Golder</i>

## HOURLY LABOR RATE TABLE

EQUIPMENT TYPE <sup>(1)</sup> OR JOB DESCRIPTION	Basis 1		Basis 2		Basis 3	
	<i>do not use (2012)</i>		<i>do not use</i>		<i>Pogo Bond 2023</i>	
Air Compressor + tools		\$72.95			A1601	\$87.05
Welding Equipment		\$72.95			A1601	\$87.05
Heavy Duty Drill Rig		\$76.27			a1601	\$87.05
Pump (plugging) Drill Rig		\$72.95			A1601	\$87.05
Concrete Pump						
Gas Engine Vibrator		\$72.95			A1601	\$87.05
Generator 5KW						
HDEP Welder (pipe or liner)						
5 Ton Crane		\$72.95			A1601	\$87.05
20 Ton Crane		\$72.95			A1601	\$87.05
50 Ton Crane		\$75.57			A1602	\$89.43
120 Ton Crane		\$75.57			A1602	\$89.43

<b>Fringe Benefits</b>						
Equip Op Fringe Benefits (\$/hr)		\$0.00		\$0.00		\$0.00

### Zone and Area Adjustments - Miles and Rates (\$/hr) <sup>(3)</sup>

Equipment Zone 1	Pogo Camp	\$6.07	none	\$0.00	Pogo Camp	\$7.21
Equipment Zone 2	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Equipment Zone 3	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Equipment Zone 4	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Equipment Zone 5	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Equipment Zone 6	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Equipment Zone 7	Pogo Camp	\$6.07			Pogo Camp	\$7.21

<b>NOTES:</b>						
(1) Equipment Type:	Catepillar model or equivalent		Catepillar model or equivalent		Catepillar model or equivalent	
(2) Equipment Operator Source:					SRCE User 16	
(3) Zone Basis:					SRCE User 16	

### TRUCK DRIVERS - Labor Groups and Base Pay Rate (\$/hr) <sup>(4)</sup>

725 (articulated)		\$72.83			A2101	\$86.04
730 (articulated)		\$72.83			A2101	\$86.04
735 (articulated)		\$72.83			A2101	\$86.04
740 (articulated)		\$74.72			A2102	\$87.73
769D		\$74.72			A2102	\$87.73
773E		\$74.72			A2102	\$87.73
777D		\$74.72			A2102	\$87.73
785C		\$74.72			A2102	\$87.73
793C		\$74.72			A2102	\$87.73
797B		\$74.72			A2102	\$87.73
613E (5,000 gal) Water Wagon		\$68.86			A2105	\$82.52
621E (8,000 gal) Water Wagon		\$68.86			A2105	\$82.52
777D Water Truck		\$68.86			A2105	\$82.52
785C Water Truck		\$68.86			A2105	\$82.52
Dump Truck (10-12 yd3 )		\$68.86			A2105	\$82.52

<b>Fringe Benefits</b>						
Truck Driver Fringe Benefits (\$/hr)		\$0.00		\$0.00		\$0.00

### Zone and Area Adjustments <sup>(5)</sup>

Truck Zone 1	Pogo Camp	\$6.07	none	\$0.00	Pogo Camp	\$7.21
Truck Zone 2	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Truck Zone 3	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Truck Zone 4	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Truck Zone 5	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Truck Zone 6	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Truck Zone 7	Pogo Camp	\$6.07			Pogo Camp	\$7.21

<b>NOTES:</b>						
(4) Truck Driver Source:					SRCE User 16	
(5) Zone Basis:					SRCE User 16	

### LABORERS - Labor Groups and Base Pay Rate (\$/hr) <sup>(6,7)</sup>

General Laborer		\$63.45			N1201	\$77.92
Skilled Laborer		\$66.28			N1203	\$80.30
Driller's Helper		\$70.73			N2204	\$76.56
Rodmen (reinforcing concrete)		\$68.82			N0401	\$77.84
Cement finisher		\$68.82			N0401	\$77.84
Carpenter		\$73.53			A0301	\$81.31

<b>Fringe Benefits</b>						
Laborer Fringe Benefits (\$/hr)						
Carpenter Fringe Benefits (\$/hr)						

### Zone and Area Adjustments <sup>(8)</sup>



# Labor Rates

<b>File Name:</b>	<i>Pogo_CDF_ (cross-referenced data from</i>
<b>Date:</b>	<i>August 1, 2023</i>
<b>Cost Basis:</b>	<i>User Data</i>
<b>Author/Source:</b>	<i>NSR Pogo/Golder</i>

## HOURLY LABOR RATE TABLE

<b>EQUIPMENT TYPE <sup>(1)</sup> OR JOB DESCRIPTION</b>	<b>Basis 1</b>		<b>Basis 2</b>		<b>Basis 3</b>	
	<i>do not use (2012)</i>		<i>do not use</i>		<i>Pogo Bond 2023</i>	
Laborer Zone 1	Pogo Camp	\$6.07	none	\$0.00	Pogo Camp	\$7.21
Laborer Zone 2	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Laborer Zone 3	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Laborer Zone 4	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Laborer Zone 5	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Laborer Zone 6	Pogo Camp	\$6.07			Pogo Camp	\$7.21
Laborer Zone 7	Pogo Camp	\$6.07			Pogo Camp	\$7.21
<b>NOTES:</b>						
(6) Laborer Source:					SRCE User 16	
(7) Carpenter Source:					SRCE User 16	
(8) Zone Basis:					SRCE User 16	

## PROJECT MANAGEMENT AND TECHNICAL LABOR - Base Pay Rate (\$/hr) <sup>(9)</sup>

Project Manager		\$125.00				\$76.88
Foreman		\$79.79				\$71.25
Field Geologist/Engineer		\$78.61				\$123.97
Field Tech/Sampler		\$64.14				\$113.32
Range Scientist		\$115.87				\$113.06
Senior Planning Engineer		\$115.87				\$200.00
Project Engineer		\$80.35				\$152.00
Mechanic/Fitter		\$71.82				\$89.10
		\$78.61				
Surveyor (stake hop/grademan)		\$139.72				\$84.51

<b>NOTES:</b>						
(9) Project Manager:					1320 0200 Total Incl.O&P-	
(9) Foreman Source:					1320 0260 Total Incl.O&P-	
(9) Technical Labor Source:					Reno, NV to Fairbanks	

## INDIRECT COSTS

### SOCIAL SECURITY, WORKMAN'S COMP, INSURANCE, ETC.

Unemployment (%)						
Retirement/SS/Medicare (%)						
Workman's Compensation (%)						
State Payroll Tax (13),(15),(17),(18)						

<b>NOTES:</b>						
(10) Workman's Comp Source:	Industry Average %		Industry Average %		Industry Average %	
(11) Social Security/Medicare	N/A		N/A		N/A	
(12) Workmans Compensation	Industry Average %		Industry Average %		Industry Average %	
(13), (14) & (15) State Payol taxes	(14) payroll threshold		Threshold > \$623,000 pa		\$1,000,000 pa	



**APPENDIX B-3**

**Miscellaneous Material Cost  
Fairbanks, Alaska**



**Nevada Standardized Bond Calculation  
Misc. Unit Costs**

<b>File Name:</b>	Pogo_CDF_ (cross-referenced data from SRCE file) golder update aug 2023.xlsm
<b>Date:</b>	August 1, 2023
<b>Cost Basis:</b>	User Data
<b>Author/Source:</b>	NSR Pogo/Golder

MISCELLANEOUS COST TABLE										
JOB DESCRIPTION		Basis 1		Basis 2		Basis 3		Basis 4		
		do not use (2012)		do not use		Pogo Bond 2023				
<b>REVEGETATION</b>										
Item	Units	Labor	Equip	Labor	Equip	Labor	Equip	Labor	Equip	
Seeding - Broadcast Manual <sup>(1)</sup>	\$/acres	\$212.13	\$0.00							
Seeding - Broadcast Mechanical <sup>(1)</sup>	\$/acres	\$17.75	\$201.38			\$5.59	\$294.83			
Seeding - Drill <sup>(1)</sup>	\$/acres	\$61.71	\$524.53							
Seeding - Hydroseeding <sup>(1)</sup>	\$/acres	\$2,395.80	\$2,395.80				\$3,049.20			
Item	Units	Materials		Materials		Materials		Materials		
Shrub Planting - bare root 6-10 in (150- 250mm) <sup>(2)</sup>	ea.									
Tree Planting - bare root 11-16 in (270- 400mm) <sup>(3)</sup>	ea.									
Cactus Planting <sup>(4)</sup>	ea.									
<b>NOTES:</b>										
(1) Seeding Source:		Seeding rates adjusted Reno-Fairbanks; hydroseed Pogo Model SO-11 per of =				Hydroseeding from Able Hydroseeding, includes labor, equipment and material				
(2) Shrub Source:						mechanical broadcast is helicopter provided by Aurora Aviation Services				
(3) Tree Source:										
(4) Cactus Source:										
<b>BUILDING and WALL DEMOLITION</b>										
Item	Units	Premium		Premium		Premium		Premium		
<b>Building Demolition</b>										
Lg. steel	C.F.									
Lg. concrete	C.F.									
Lg. masonry	C.F.									
Lg. mixed	C.F.									
Sm. steel	C.F.									
Sm. concrete	C.F.									
Sm. masonry	C.F.									
Sm. wood	C.F.									
<b>Wall Demolition</b>										
Block 4 in thick	S.F.		20%		20%		20%		20%	
Block 6 in thick	S.F.		20%		20%		20%		20%	
Block 8 in thick	S.F.		20%		20%		20%		20%	
Block 12 in thick	S.F.		20%		20%		20%		20%	
Conc 6 in thick	S.F.		10%		10%		10%		10%	
Conc 8 in thick	S.F.		10%		10%		10%		10%	
Conc 10 in thick	S.F.		10%		10%		10%		10%	
Conc 12 in thick	S.F.		10%		10%		10%		10%	
<b>WASTE DISPOSAL</b>										
Item	Units	Materials		Materials		Materials		Materials		
<b>Rubbish and Waste Handling</b>										
Dumpster delivery (average for all sizes)	ea.	\$100.88				\$75.00				
Haul (average for all sizes)	ea.	\$61.00				\$235.00				
Rent per month (average for all sizes)	ea.	\$100.88				\$80.00				
Disposal fee per ton (tonne) (average for all sizes)	ton	\$0.84				\$88.00				
<b>NOTES:</b>										
Dumpster Cost Source:		average for all sizes) adjusted for Fairbanks				average for all sizes) adjusted for Fairbanks				
Disposal Fee Source:		Borough - 2012 Solids Waste Fees				Borough - 2022 Solids Waste Fees				
<b>Hazardous Material Handling - Solids</b>										
Pickup fees 55 gal. drums	ea.	\$283.73				\$316.32				
Bulk material (average)	ton	\$3.36				\$517.32				
Transport - truck load (80 drums, 25 cy (m3), 18 tons)	mile	\$6.00				\$7.39				
Dump site disposal fee	ton	\$118.00				\$248.00				
<b>NOTES:</b>										
Solid Handling Cost Source:		Means, average, adjusted for Fairbanks				Means, average, adjusted for Fairbanks				
Solid Disposal Fee Source:		Borough - 2012 Solids Waste Fees - AVERAGE				Borough FY 2022 Solid Waste user Fee Schedule				
<b>Hazardous Material Handling - Liquids</b>										
Vacuum Truck Pickup (2200 gal or 9,700 litres)	hr.	\$157.63				\$184.52				
Vacuum Truck Pickup (5000 gal or 19,000 litres)	hr.	\$226.98				\$263.60				
Dump site disposal fee	ton	\$118.00				\$248.00				
<b>NOTES:</b>										
Liquid Handling Cost Source:		Means, average, adjusted for Fairbanks				Means, average, adjusted for Fairbanks				
Liquid Disposal Fee Source:		Borough - 2012 Solids Waste Fees - AVERAGE				Borough FY 2022 Solid Waste user Fee Schedule				
<b>Hydrocarbon Contaminated Soils (HCS)</b>										
Insitu Biotreatment	C.Y	\$79.17				\$23.74				
HCS disposal fee	C.Y	\$331.01				\$352.57				
<b>NOTES:</b>										
Insitu Treatment Cost Source:		Incineration on site, assumed 110 lb/cf				Means, average, adjusted for Fairbanks				
HCS Disposal Fee Source:		Means, average, adjusted for Fairbanks				Means, average, adjusted for Fairbanks				
<b>UNDERGROUND OPENING CLOSURE</b>										
Item	Units	Materials		Premium		Materials		Premium		
<b>Reinforced Concrete Bulkheads and Shaft Covers</b>										
Grade walls - 15 in thick, 8 ft high	C.Y	\$156.63				\$442.71				
Grade walls - 15 in thick, 12 ft high	C.Y	\$156.63				\$514.58				
Elevated conc, 1-way beam & slab - 15ft span	C.Y	\$258.38				\$1,086.22				
Elevated conc, 1-way beam & slab - 25ft span	C.Y	\$249.23				\$919.23				
Item	Units	Materials		Materials		Materials		Materials		
<b>Small Adit Plugging</b>										
Bat Gate <sup>(5)</sup>	ea.									
Culvert Gate <sup>(5)</sup>	C.Y									
Adit Foam Plug <sup>(6)</sup>	C.Y									
Production Opening Foam Plug <sup>(6)</sup>	C.Y									
<b>NOTES:</b>										



## Nevada Standardized Bond Calculation Misc. Unit Costs

<b>File Name:</b>	Pogo_CDF_ (cross-referenced data from SRCE file) golder update aug 2023.xlsm
<b>Date:</b>	August 1, 2023
<b>Cost Basis:</b>	User Data
<b>Author/Source:</b>	NSR Pogo/Golder

MISCELLANEOUS COST TABLE										
JOB DESCRIPTION		Basis 1		Basis 2		Basis 3		Basis 4		
		do not use (2012)		do not use		Pogo Bond 2023				
(5) Bat Gate Source:		NV 2012 reinforced concrete costs adjusted between Fairbanks and Reno				NV 2021 reinforced concrete costs adjusted between Fairbanks and Reno				
(6) Foam Plug Source:										
MISC. LINEAR PROJECTS										
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium	Materials	Premium	
Fencing Installation										
Barbed 3-strand	ft	\$0.64				\$1.11				
Barbed 4-strand	ft	\$0.85				\$1.48				
Barbed 5-strand	ft	\$1.07				\$1.85				
Chain link 8 ft -10 ft Install	ft	\$46.20				\$89.50				
Wood stockade fence 6 ft high - Install	ft	\$19.55				\$28.38				
	ft									
	ft									
Fencing Removal										
Barbed 3-strand Removal	ft									
Barbed 4-strand Removal	ft									
Barbed 5-strand Removal	ft									
Chain link 8 ft -10 ft Removal	ft									
Wood, all types 4 ft -6 ft high Removal	ft									
	ft									
	ft									
Culvert Removal										
12 in (300 mm ) Diameter	ft									
18 in (450 mm) Diameter	ft									
24 in (600 mm) Diameter	ft									
36 in (1m) Diameter	ft									
Pipeline Removal										
Plastic Pipe 3/4 in (mm) - 4 in (100 mm) diameter	ft									
6 in (150 mm) - 8 in (200 mm)	ft									
10 in (250 mm) - 18 in (450 mm)	ft									
20 in (500 mm) - 36 in (1 m)	ft									
Pipe and Drainpipe Installation										
Water 4in (100mm ) 40ft (12m) length, welded HDPE	ft	\$27.34	adjusted			\$2.99				331413350200
Water 6in (150mm) 40ft (12m) length, welded HDPE	ft	\$62.00	HDPE pipe: 6X50 DR11 W/3" INS &			\$6.45				331413350200
Water 12in (300mm) 40ft (12m) length, welded HDPE	ft					\$8.97				extrapolate 4 inch and 6
Drain 4in (100mm) perforated PVC	ft	\$11.13	adjusted			\$4.46				334116302100
Drain 6in (150mm) perforated PVC	ft	\$23.45	adjusted			\$8.59				334116302110
Drain 4in (100mm) corrugated, perf or plain	ft	\$4.29	adjusted			\$1.82				334116350040
Drain 6in (150mm) corrugated., perf or plain	ft	\$13.59	adjusted			\$2.03				Prorated 6 inch with NV
Drain Rock Preparation										
Item	Units		Total		Total		Total		Total	
Crushing	C.Y						\$0.60			
Screening	C.Y		\$1.09		See SRCE User 4 for C		\$0.60			
Misc.										
Item	Units		Premium		Premium		Premium		Premium	
Backhoe work	C.Y									
Powerline and Transformer Removal										
Item	Units		Total		Total		Total		Total	
Single Pole Powerlines <sup>(7)</sup>	mile		\$20,388				\$28,498			
Double Pole Powerlines <sup>(8)</sup>	mile		\$44,295				\$35,992			
Substation <sup>(9)</sup>	unit		\$3,544				\$69,502			
NOTES:										
(7) Single Pole Source:		Pogo Model rate (11 single poles + 3787 ft power line)				User 4				
(8) Double Pole Source:		Pogo Model rate (800 double poles + 227,600 ft transmission line)				User 4				
(9) Transformer Source:		Pogo Model rates (\$512.50 fuel+\$1200.46 wiring+\$4320.71 labor)				SRCE 2022 *1.19				
EROSION, EVAPORATION and SEDIMENTATION CONTROL										
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium	Materials	Premium	
Rip-Rap & Rock Lining										
Rip-Rap 3/8 to 1/4 C.Y. pieces, grouted	S.Y.	\$85.12		\$85.12		\$0.00				Riprap material locally a
Rip-Rap 18 in min thick, no grout	S.Y.	\$39.72		\$39.72		\$0.00				Riprap material locally a
Gabions, 6 in deep	S.Y.	\$37.20		\$37.20		\$17.95				313613100400
Gabions, 9 in deep	S.Y.	\$46.66		\$46.66		\$32.50				313613100500
Gabions, 12 in deep	S.Y.	\$68.09		\$68.09		\$36.00				313613100600
Gabions, 18 in deep	S.Y.	\$90.16		\$90.16		\$75.50				313613100700
Gabions, 36 in deep	S.Y.	\$146.28		\$146.28		\$84.50				313613100800
Liner Installation										
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium	Materials	Premium	
Site grading	S.F.									
Compaction	S.F.									
Item	Units		Materials		Materials		Materials		Materials	
60 mil HDPE Liner	S.F.		\$0.32				\$1.34			3105195312
Construction Management Support										
Item	Units		Materials		Materials		Materials		Materials	
Office Trailer, Furnished, no hook-ups	month		\$4,097.10				\$194.00			
Toilet Portable, chemical	month		\$207.80				\$232.40			
PRODUCTION OR DEWATERING WELL PUMP REMOVAL										
Item	Units	Labor	Equip	Labor	Equip	Labor	Equip	Labor	Equip	
Pump Type										
Submersible <sup>(10)</sup>	ft to pump	\$3.39	\$7.38	\$3.39	\$7.38	\$3.39	\$7.38			
Line Shaft <sup>(10)</sup>	ft to pump	\$7.92	\$17.22	\$7.92	\$17.22	\$7.92	\$17.22			
NOTES:										
(10) Pump Removal Source:		NV 2012 reinforced concrete costs adjusted between Fairbanks and Reno				Liner from Agru "Budget Estimate 02012017.pdf" including delivery				



**APPENDIX B-4**

**Reclamation Material Cost  
Fairbanks, Alaska**



<b>File Name:</b>	Pogo_CDF_ (cross-referenced d
<b>Date:</b>	August 1, 2023
<b>Cost Basis:</b>	User Data
<b>Author/Source:</b>	NSR Pogo/Golder

### RECLAMATION MATERIAL COST TABLE

MATERIAL TYPE		Basis 1	Basis 2	Basis 3	Basis 4	Basis 5	Basis 6
		do not use (2012)	do not use	Pogo Bond 2023			
<b>Revegetation Materials</b>							
<b>Seed Mixes</b>							
Seed Mix	Units						
None							
Mix 1	Cost/Acre	\$169.88	2012 seed rate from	\$649.00	Alaska Garden and Pet Supply May 10, 2022		
Mix 2	Cost/Acre						
Mix 3	Cost/Acre						
Mix 4	Cost/Acre						
User Mix 1	Cost/Acre						
User Mix 2	Cost/Acre						
User Mix 3	Cost/Acre						
User Mix 4	Cost/Acre						
User Mix 5 (see Seed Mix sheet)	Cost/Acre						
Notes:							
<b>Mulch</b>							
Item	Units						
None							
Straw Mulch	Cost/lb	\$0.17	NV rates increased	\$0.21	s Index adjustment)		
Hydro Mulch	Cost/lb	\$0.31	NV rates increased	\$0.30	s Index adjustment)		
Timber Mulch	Cost/lb						
	Cost/lb						
	Cost/lb						
Notes:							
<b>Amendments</b>							
Item	Units						
None		\$0.00					
Organic Matter	Cost/lb						
Treated Sludge	Cost/lb						
Chemical	Cost/lb	\$0.54	2012 quote from Gr	\$0.00	No fertilizer per test plot report		
	Cost/lb						
	Cost/lb						
	Cost/lb						
Notes:							
<b>Well Abandonment Materials</b>							
Description	Units						
Cement	50lb bag	\$4.03	2012 quote from Al	\$5.53	Alaska Basic industries May 16, 2022		
Grout (Low Grade Bentonite)	50lb bag	\$7.51	2006 quote from De	\$11.01	NV 2022 rate adjusted Reno-Fairbanks		
Inert Material/Cuttings	cy	\$0.00					
Notes:							
<b>Monitoring Costs</b>							
Description	Units	Cost/unit	Cost/unit	Cost/unit	Cost/unit	Cost/unit	Cost/unit
Monitor Well Pump	ea.	\$2,580.00	NV rate increased 2	\$2,827.00	ted Reno-Fairbanks	\$2,416.00	
Sampling Supplies	ea.	\$6.00	NV rate increased 2	\$7.00	ted Reno-Fairbanks	\$5.65	
Helicopter (per episode - 3 hrs+\$1	ea.	\$3,180.00	legacy 2012	\$4,350.00	Aurora Aviation Services e-mail May 4, 2022; fuel use 30 ga		
Courier cost	ea.	\$630.30	legacy 2012	\$630.30			
Profile 10a - ORTW 001&011 weel	ea.	\$239.40	legacy 2012	\$295.00	Alaska Water Labs May 5, 2022		
Profile 10b - ORTW 001 monthly	ea.	\$232.40	legacy 2012	\$520.00			
Profile 11b - ORTW 011 quarterly	ea.	\$280.00	legacy 2012	\$580.00			
Profile 12a - STP 002 weekly	ea.	\$196.00	legacy 2012	\$245.00			
Profile 12b - STP 002 monthly	ea.	\$95.20	legacy 2012	\$105.00			
Profile 13s - RTP surface water	ea.	\$551.60	legacy 2012	\$1,520.00			
Profile 12c - PWTP1 monthly	ea.	\$196.00	legacy 2012	\$117.50			
Profile 12d - PWTP1 bi-annual	ea.	\$56.00	legacy 2012	\$85.00			
Profile 12e - PWT1 annual	ea.	\$2,020.20	legacy 2012	\$1,160.00			
Profile 13g - RTP wells	ea.	\$537.60	legacy 2012	\$1,175.00			
Profile 8 - fish tissue	ea.	\$7,238.00	legacy 2012	\$550.00			
WET 001 Annually	ea.	\$3,800.00	legacy 2012	\$4,000.00			
Profile 11a	ea.			\$235.00			
Notes:							
<b>Fuel, Etc.</b>							
Description	Units	Cost/unit	Cost/unit	Cost/unit	Cost/unit	Cost/unit	Cost/unit
Off-road Diesel - delivered <sup>(1)</sup>	\$/gal	\$4.46	2012 quote from Al	\$6.27	Quote from Crowley May 2022		
Pickup Truck Travel	\$/mi	\$0.51		\$0.54			
Electical Power	\$/kWh	\$0.1560	2012 GVEA Rate	\$0.1574	GVEA 2022; \$169,988.08/1,080,000kWh		
Notes:							



**APPENDIX B-5**

**Seeds: Alaska Garden and Pet  
Supply**



**From:** [Steve Rooke](#)  
**To:** [Bellitto, Mike](#)  
**Subject:** RE: native seed mix cost estimate  
**Date:** Tuesday, May 10, 2022 5:14:52 PM  
**Attachments:** [image001.png](#)  
[image003.png](#)

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## EXTERNAL EMAIL

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Hey Mike-

I'd recommend the following based on availability of species:

40% Nortran tufted hairgrass

30% Arctared Fescue

25% Wainwright Wheatgrass

5% Annual rye

\$12.98/lb

Polargrass hasn't been available for years.

Any questions, Let me know - Steve

**STEVE ROOKE** | Alaska Garden & Pet Supply, Inc | Office: (907) 222-2047 | Fax: (907) 222-2060

OPEN: Monday – Friday, 8am to 5pm

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**From:** Bellitto, Mike  
**Sent:** Tuesday, May 10, 2022 1:49 PM  
**To:** Steve Rooke <[steve.rooke@alaskamillandfeed.com](mailto:steve.rooke@alaskamillandfeed.com)>  
**Subject:** native seed mix cost estimate

Hi, Steve.

[steve.rooke@alaskamillandfeed.com](mailto:steve.rooke@alaskamillandfeed.com)

I was given your contact information by Casey at the PMC.

I'm preparing a reclamation bond cost estimate for the Pogo Mine, located 78 miles SE of Fairbanks.

The actual reclamation is not planned for 10 years, but the bond cost estimate assumes that the work is performed by the state during the next few years using contractors.

The current revegetation plan is very conceptual but includes several seed mixes.

I've attached a list of the species included in the potential seed mixes.

The listed species were used in test plots at the site. The forb species were hand-collected on site,



so I understand that they may not be commercially available.

Please let me know if you can provide the following information?

which of the listed species are commercially available  
a cost per pound PLS.

Likewise, Casey mentioned that there is no polargrass seed available this year. Could you provide the cost for last year?

Feel free to call me at the direct-dial number below if you have questions.

For estimating, the area that will be reseeded is about 500 acres and the proposed seeding rates is 40 pounds/acre.

Thanks , Mike

**Mike Bellitto**

Senior Lead Consultant, MSc, CERP

T: +1 303 980 0540

D: +1 720 920 4658

C: +1 303 241 8515

7245 W Alaska Drive, Suite 200, Lakewood, Colorado, USA 80226

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**APPENDIX B-6**

**Cement: Alaska Basic Industries**



**From:** [Schlee, Xavier](#)  
**To:** [Bellitto, Mike](#)  
**Cc:** [Johnson, Dave](#)  
**Subject:** RE: BULK PORTLAND CEMENT COST  
**Date:** Monday, May 16, 2022 11:22:15 AM  
**Attachments:** [image003.png](#)  
[image004.png](#)  
[image001.png](#)  
[01112022 Cement Price Fairbanks.pdf](#)

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## EXTERNAL EMAIL

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Mike,

Please see attached price for Type I cement FOB the Fairbanks Terminal.

<p><i>X. Schlee</i> Technical Sales ABI (907) 348-6700 Office (907) 240-4024 <a href="mailto:xavier.schlee@anchsand.com">xavier.schlee@anchsand.com</a></p>
 <p><b>abi</b> ALASKA BASIC INDUSTRIES A Subsidiary of Knife River Corporation</p>

**From:** Bellitto, Mike <Mike\_Bellitto@golder.com>  
**Sent:** Friday, May 13, 2022 1:43 PM  
**To:** Schlee, Xavier <xavier.schlee@anchsand.com>  
**Subject:** BULK PORTLAND CEMENT COST

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Hi, Xavier.

I'm working with the Pogo Mine, north of Fairbanks to prepare a Reclamation bond cost estimate to submit To ADNR.

I need to include a local quote for Portland Type I/II cement (bulk). You provided a quote for the previous estimate in 2017.

Can you provide a quote for the current update?

Feel free to contact me at the number below if you need more information.

Thanks, Mike

**Mike Bellitto**  
Senior Lead Consultant, MSc, CERP



T: +1 303 980 0540  
D: +1 720 920 4658  
C: +1 303 241 8515

7245 W Alaska Drive, Suite 200, Lakewood, Colorado, USA 80226

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**APPENDIX B-7**  
**Monitoring**



Pogo Mine Profiles	Unit Price (ea.)	Analyses
Profile 8 (Fish)	\$ 550.00	6020 (sb, As, Cd, Cu, Pb, Ni, Se, Ag); 1631 Hg; Processing of sample
Profile 10a	\$ 295.00	200.8 (As, Mn, Zn); 200.7 (Ca, Mg); 2340B Hardness; 2540C TDS; 2130B Turbidity
Profile 10b	\$ 520.00	1631 LLHg; 300.0 SO4; 200.8 (As, Mn, Zn); 200.7 (Ca, Mg); 2340B Total Hardness; 2540C TDS; 2130B Turbidity
Profile 11a	\$ 235.00	4500 WAD CN; 200.7 (Ca, Mg); 2540D TSS; 2340B Hardness Calc
Profile 11b	\$ 580.00	1631 LLHg; 300.0 (Cl, SO4); 200.8 (As, Cd, Cr, Cu, Pb, Ni, Se, Ag, Zn); 2540C TDS; 200.7 (Al)
Profile 12a	\$ 245.00	2540D TSS; 5210B BOD; SM9222D Fecal Coliform; 4500 NO3 or HACH TNT NO3
Profile 12b	\$ 105.00	2540D TSS; 5210B BOD
Profile 12c	\$ 117.50	317.0; 9223B Coliform PA
Profile 12d	\$ 85.00	Pb/Cu First Draw
Profile 12e	\$ 1,160.00	SM4500 NO3; 552.2 HLAA; 524.2 tthm; 524.2 VOC; 200.8 (As); 200.8 (Sb, Ba, Be, Cd, Cr, Ni, Se, Tl); 4500 Total CN; 300.0 or SM4500 Fluoride
Profile 13s	\$ 1,520.00	4500 NO3 E; 300.0 (SO4, Cl); 4500 WAD CN; 200.8 (Al, Sb, As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Ag, Zn); 200.7 (Ca, Mg); 200.8 DISS (As, Cd, Cr, Cu, Pb, Ni, Ag, Zn); 200.7 DISS (Ca, Mg); 2340B Hardness Calc Total; 2340B Hardness Calc Dissolved; 1631 LL Hg Dissolved; 351.2 TKN; 2320B Alkalinity (with CO3, HCO3, OH); 2540C TDS; 2540D TSS; 2130B Turbidity
Profile 13g	\$ 1,175.00	4500 NO3; 1631 LL Hg; 300.0 (SO4, Cl); 4500 Fluoride; 4500 WAD CN; 200.8 DISS (Al, Sb, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn); 200.7 DISS (Ca, Fe, Mg, K, Na); 2340B Total Hardness Dissolved; 351.2 TKN; 2320B Alkalinity; 2320B Alk (Carbonate); 2540C TDS
WET 001	\$ 4,000.00	WET test - specify species, methods requested, acute or chronic analysis
Hydrocarbon in Soil	\$ 470.00	1664 A/B Oil and Grease; 8015 DRO (Solid) ; 8015 GRO (Solid)



**APPENDIX B-8**

**Helicopter: Aurora Aviation**



**From:** [Keith Warren](#)  
**To:** [Bellitto, Mike](#)  
**Subject:** Re: HOURLU RATE FOR POGO MINE SURPPORT  
**Date:** Wednesday, May 4, 2022 11:15:10 PM  
**Attachments:** [image001.png](#)  
[image003.png](#)

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## EXTERNAL EMAIL

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Hello Mike,

Thanks for checking in with us,

Our current hourly rates for the MD500 helicopter, \$1245.00 per flight hour using collective hobbs meter that only records flight time not run time, with a 3 hour per day minimum, dry meaning fuel used will be charged as well. Current fuel is around \$6.00 per gallon, the aircraft burns 30 gallons per flight hour.

I hope this helps you out, let me know if you have any more questions,

Thanks,

Keith Warren  
Aurora Aviation Services, Inc.

On Wednesday, May 4, 2022, 11:34:27 AM AKDT, Bellitto, Mike <mike\_bellitto@golder.com> wrote:

Hi Keith. Following up on our phone call.

Golder is updating the reclamation cost estimate for the Pogo Mine.

Please provide your current hourly rated for helicopter services to support monitoring and revegetation activities.

Thanks, Mike

**Mike Bellitto**  
Senior Lead Consultant, MSc, CERP

T: +1 303 980 0540  
D: +1 720 920 4658  
C: +1 303 241 8515



7245 W Alaska Drive, Suite 200, Lakewood, Colorado, USA 80226

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**APPENDIX B-9**

**Electricity: Golden Valley Electric  
Association**



<b>Select Service Type</b>	<b>Set kWh</b>
GS-3 Industrial Service ▼	1080000 kWh

<b>Set kW</b>	
500 kW	<input type="button" value="Go"/>

GVEA Bill Calculator	
Customer Charge:	\$220.00
Demand Charge: \$31.03 x 500kW)	\$15,515.00
Utility Charge: \$0.01297000 x 1080000kWh)	\$14,007.60
Fuel and Purchased Power: \$0.12889000 x 1080000kWh)	\$139,201.20
Regulatory Cost Charge: \$0.00089300 x 1080000kWh)	\$964.44
<b>Total Due:</b>	<b>\$169,908.24</b>





**APPENDIX B-10**

**Landfill Disposal: Fairbanks  
Northstar Borough**










### SOLID WASTE FY23 USER FEE SCHEDULE

[Solid Waste \(fnsb.gov\)](http://SolidWaste(fnsb.gov))

(JULY 01, 2022 – JUNE 30, 2023)

★ FEE SCHEDULES AND VARIOUS OTHER SOLID WASTE DIVISION FORMS ARE LOCATED ON THE WEBSITE: ★

<b>REGULAR SOLID WASTE</b>	<p><b>Residential</b> - Accepted free of charge.  <b>Commercial</b> - <b>\$127/ton</b> (2,000 lbs)</p> <p><b>Regular Solid Waste generated outside the FNSB:</b></p> <ol style="list-style-type: none"> <li>Disposal of less than 25 tons per month of solid waste accepted at 200% of <b>Regular Solid Waste</b> rate. (<b>\$254/ton</b>)</li> <li>Disposal of more than 25 tons per month of solid waste: download an application from our website. Rate for approved projects will be 200% of Regular Solid Waste rate. (<b>\$254/ton</b>)</li> </ol>	<p><b>RESIDENTIAL:</b> Loads from a “residence in a passenger vehicle, pick-up truck, or a trailer with two wheels and a single axle, or four wheels and a double axle will be considered minor loads.”  <i>(Ordinance 21.20.090A)</i></p> <p><b>Lumber, pipe, cable, etc., must be less than 8 ft. in length. All loads must be tarped or secured.</b></p>
<b>BRUSH</b>	<p><b>Residential</b> - All loads accepted free of charge.  <b>Commercial</b> - Same as <b>Regular Solid Waste</b>.</p>	<p>Trees, brush, stumps, leaves, branches, roots, undergrowth</p> <p><b>Loads must not include regular Solid Waste</b></p>
<b>JUNK AUTOMOBILES</b> 	<p><b>Residential</b> - Accepted free of charge  <b>Commercial</b> - <b>\$50/each</b></p>	<p>Must be free of trash or debris. Refer to the above website for Automobile Disposal Form and requirements. Ownership title is requested.</p>
<b>HOUSEHOLD APPLIANCES</b>  <i>(Washers, dryers, freezers, stoves, refrigerators, etc.)</i>	<p>Same as <b>Regular Solid Waste</b>  <b>Commercial</b> -Additional <b>\$110.00</b> charge per appliance that contains Freon</p>	<p>Certificate of removal required to avoid \$110.00 charge.</p>
<b>MOBILE HOMES</b>	<p>Same as <b>Regular Solid Waste</b></p>	<p>Refer to website for <a href="http://Project-Checklist-(fnsb.gov)">Project-Checklist-(fnsb.gov)</a></p>
<b>SCRAP METAL</b> 	<p>Same as <b>Regular Solid Waste</b></p>	<p>Metal pieces, etc., must be less than 8 feet in length.</p>
<b>METAL CONTAINERS</b>  <i>(drums &amp; tanks)</i>	<p>Same as <b>Regular Solid Waste</b></p>	<p>Must be clean and have one end completely cut out. Metal containers larger than 500 gallons must be cut into sections no larger than a 500 gallon container.</p>
<b>CONSTRUCTION DEBRIS</b>	<p>Same as <b>Regular Solid Waste</b></p>	
<b>LOADER ASSISTANCE</b>	<p><b>Residential</b> - Free of charge.  <b>Commercial</b> - <b>\$3.00/minute</b>.</p>	
<b>ALUMINUM</b> 	<p>Accepted free of charge</p>	
<b>ASBESTOS</b>	<p><b>Asbestos material generated within the FNSB</b>, accepted at <b>\$191/ton</b>, plus <b>\$75* flat rate fee per load</b> of asbestos brought to the Solid Waste Facility.</p> <p><b>Asbestos material generated outside the FNSB:</b></p> <ol style="list-style-type: none"> <li>Disposal of less than 25 tons per month of asbestos accepted at 200% of Regular Solid Waste rate (<b>\$254/ton</b>), plus <b>\$75* flat rate fee per load</b> of asbestos brought to the Solid Waste Facility.</li> <li>Disposal of more than 25 tons per month of asbestos: download an application from our website. Rate for approved projects will be 200% of Regular Solid Waste rate (<b>\$254/ton</b>), plus <b>\$75* flat rate fee per load</b> of asbestos brought to the Solid Waste Facility.</li> </ol> <p><b>* \$300 flat rate fee for customer-caused asbestos discrepancy</b></p>	<p>Parties interested in disposing asbestos are required to complete a Waste Shipment Manifest prior to disposal, which is located on the FNSB Solid Waste website.</p> <p>Metal pieces, etc., <b>must be less than 8 feet in length.</b></p>



**APPENDIX B-11**

**Unit Rates from RS Means**



Unit Cost Estimate

RS Means Online 2022

LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line
013113200100	Field personnel, field engineer, junior engineer		0	0	Week	\$ -	\$ 865.00	\$ -	\$ 865.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200120	Field personnel, field engineer, engineer, average		0	0	Week	\$ -	\$ 1,125.00	\$ -	\$ 1,125.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200140	Field personnel, field engineer, senior engineer, maximum		0	0	Week	\$ -	\$ 1,275.00	\$ -	\$ 1,275.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200160	Field personnel, general purpose laborer, average	1 Clab	0.2	40	Week	\$ -	\$ 1,452.23	\$ -	\$ 1,452.23	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200180	Field personnel, project manager, minimum		0	0	Week	\$ -	\$ 1,600.00	\$ -	\$ 1,600.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200200	Field personnel, project manager, average		0	0	Week	\$ -	\$ 1,850.00	\$ -	\$ 1,850.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200220	Field personnel, project manager, maximum		0	0	Week	\$ -	\$ 2,100.00	\$ -	\$ 2,100.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200240	Field personnel, superintendent, minimum		0	0	Week	\$ -	\$ 1,575.00	\$ -	\$ 1,575.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200260	Field personnel, superintendent, average		0	0	Week	\$ -	\$ 1,725.00	\$ -	\$ 1,725.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
013113200280	Field personnel, superintendent, maximum		0	0	Week	\$ -	\$ 1,950.00	\$ -	\$ 1,950.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
015433203350	Rent, smooth drum vibratory roller, 75 H.P., Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 7,879.66	\$ 7,879.66	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	
015433203400	Rent, smooth drum vibratory roller, 125 H.P., Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 9,762.55	\$ 9,762.55	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	74
015433205450	Rent truck flatbed 1axle 1-1/2 ton rating, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 6,362.40	\$ 6,362.40	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	78/80
015433205500	Rent truck flatbed 1axle 3 ton rating, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 7,717.99	\$ 7,717.99	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	78/80
015433407200	Rent truck pickup 3/4 ton 4 wheel drive, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 3,529.42	\$ 3,529.42			79
015433407200	Rent truck pickup 3/4 ton 4 wheel drive, Excl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 1,729.42	\$ 1,729.42			79
015433400400	Rent air compressor, towed type, diesel, rotary screw 250 cfm, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 3,582.78	\$ 3,582.78	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	81
015433400930	Rent air tool, breaker, pavement 60 lbs, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 569.35	\$ 569.35	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	81



LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
015433401200	Rent air accessory, 1-1/2"by 50 ft air hose w/couplings, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 364.72	\$ 364.72	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	81	
015433401100	Rent air accessory, 1" by 50 ft air hose w/couplings, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 148.45	\$ 148.45	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	na	
015433401000	Rent air accessory, 3/4" by 50 ft air hose w/couplings, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 116.75	\$ 116.75	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	na	
015433407700	Rent arc welder electric 200 amp, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 984.76	\$ 984.76	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	na	
015433407800	Rent arc welder electric 300 amp, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 1,298.79	\$ 1,298.79	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	na	
015433407900	Rent arc welder gas engine 200 amp, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 2,463.43	\$ 2,463.43	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	na	
015433408000	Rent arc welder gas engine 300 amp, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 2,738.92	\$ 2,738.92	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	82	
015433402100	Rent electric generator gas engine 1.5 kW to 3 kW, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 971.53	\$ 971.53	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	na	
015433402200	Rent electric generator gas engine 5 kW, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 1,303.97	\$ 1,303.97	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	87	
015433102120	Rent pump concrete truck mounted 4"line 80'boom, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 14,471.65	\$ 14,471.65	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	85	
015433103000	Rent vibrators concrete gas engine 8 HP, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 571.70	\$ 571.70	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	86	
015433102900	Rent vibrators concrete gas engine 5 HP, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 469.75	\$ 469.75	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	773/730	
015433205300	Rent truck dump 3 axle 16 ton, 12 C.Y. payload, 400 H.P., Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 15,337.20	\$ 15,337.20	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	770/700	108
015433602800	Rent crane self-propelled, 4x4 telescoping boom 5 ton, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 6,693.37	\$ 6,693.37	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	72/20	89
015433602500	Rent crane truck mounted, hydraulic, 25 ton capacity, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 37,785.62	\$ 37,785.62	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	764/640	90/91
015433401690	Rent butt fusion machine, tracked, 20 HP diesel, 4"-12" pipe, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 5,743.84	\$ 5,743.84	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	78/80	



LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
015433401685	Rent butt fusion machine, wheeled, 1.5 HP elec, 2" - 8" pipe, Incl. Hourly Oper. Cost.		0	0	Month	\$ -	\$ -	\$ 4,416.84	\$ 4,416.84	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	78/80	88
024116130010	Building demolition, large urban projects, rubbish handling, includes 20 mile haul		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
024116130011	Building demolition, large urban projects, rubbish handling, excludes foundation or dump fees, C.F. is volume of building standing		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
024116130020	Building demolition, large urban projects, steel, includes 20 mile haul, excludes foundation demolition, dump fees	B8	21500	0.003	C.F.	\$ -	\$ 0.12	\$ 0.25	\$ 0.37	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na
024116130050	Building demolition, large urban projects, concrete, includes 20 mile haul, excludes foundation demolition, dump fees	B8	15300	0.004	C.F.	\$ -	\$ 0.16	\$ 0.36	\$ 0.52	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na
024116130080	Building demolition, large urban projects, masonry, includes 20 mile haul, excludes foundation demolition, dump fees	B8	20100	0.003	C.F.	\$ -	\$ 0.12	\$ 0.28	\$ 0.40	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na
024116130100	Building demolition, large urban projects, mixture of types, excludes foundation demolition, dump fees	B8	20100	0.003	C.F.	\$ -	\$ 0.12	\$ 0.28	\$ 0.40	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na
024116130500	Building demolition, small buildings or single buildings, steel, includes 20 mile haul, excludes salvage, foundation demolition or dump fees	B3	14800	0.003	C.F.	\$ -	\$ 0.15	\$ 0.21	\$ 0.36	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na
024116130600	Building demolition, small buildings or single buildings, concrete, includes 20 mile haul, excludes salvage, foundation demolition or dump fees	B3	11300	0.004	C.F.	\$ -	\$ 0.19	\$ 0.28	\$ 0.47	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na
024116130650	Building demolition, small buildings or single buildings, masonry, elevated slabs, includes 20 mile haul, excludes salvage, foundation demolition or dump fees	B3	14800	0.003	C.F.	\$ -	\$ 0.15	\$ 0.21	\$ 0.36	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na



LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
024116130700	Building demolition, small buildings or single buildings, wood, elevated slabs, includes 20 mile haul, excludes salvage, foundation demolition or dump fees	B3	14800	0.003	C.F.	\$ -	\$ 0.15	\$ 0.21	\$ 0.36	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	na
024113761000	Selective demolition, water wells, well screen & casing, 6" to 16" dia	B23	300	0.133	V.L.F.	\$ -	\$ 5.34	\$ 4.46	\$ 9.80	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	76/60	83/84
024113760900	Selective demolition, water wells, slotted PVC, 1-1/4" to 8" dia	B23	600	0.067	V.L.F.	\$ -	\$ 2.66	\$ 2.23	\$ 4.89	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	
024113761100	Selective demolition, water wells, well screen & casing, 18" to 26" dia	B23	150	0.267	V.L.F.	\$ -	\$ 10.65	\$ 8.90	\$ 19.55	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	71/10	
024113761200	Selective demolition, water wells, well screen & casing, 30" to 36" dia	B23	100	0.4	V.L.F.	\$ -	\$ 15.97	\$ 13.39	\$ 29.36	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	71/10	
024119190600	Selective demolition, rubbish handling, dumpster, 6 C.Y., 2 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost		0	0	Week	\$ 415.00	\$ -	\$ -	\$ 415.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	700/000	
024119190900	Selective demolition, rubbish handling, dumpster, alternate pricing method, includes one dump per week, cost to be added to demolition cost		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		
024119190910	Selective demolition, rubbish handling, dumpster, alternate pricing method, delivery, average for all sizes, cost to be added to demolition cost		0	0	Ea.	\$ 75.00	\$ -	\$ -	\$ 75.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	70/00	49
024119190920	Selective demolition, rubbish handling, dumpster, alternate pricing method, haul, average for all sizes, includes one dump per week, cost to be added to demolition cost		0	0	Ea.	\$ 235.00	\$ -	\$ -	\$ 235.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	700/000	50
024119190940	Selective demolition, rubbish handling, dumpster, alternate pricing method, rent per month, average for all sizes, includes one dump per week, cost to be added to demolition cost		0	0	Ea.	\$ 80.00	\$ -	\$ -	\$ 80.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	70/00	51



LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
024119190950	Selective demolition, rubbish handling, dumpster, alternate pricing method, disposal fee per ton, average for all sizes, cost to be added to demolition cost		0	0	Ton	\$ 88.00	\$ -	\$ -	\$ 88.00	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	70/00	52
028120100110	Hazardous waste cleanup/pickup/disposal, for contractor rental equipment, i.e. dozer, front end loader, dump truck, etc.		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		
028120101000	Hazardous waste cleanup/pickup/disposal, solid pickup		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		
028120101100	Hazardous waste cleanup/pickup/disposal, solid pickup, 55 gallon drums		0	0	Ea.	\$ -	\$ -	\$ -	\$ 316.32	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	727/270	58
028120101200	Hazardous waste cleanup/pickup/disposal, transportation to disposal site		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		
028120101120	Hazardous waste cleanup/pickup/disposal, solid pickup, bulk material, minimum		0	0	Ton	\$ -	\$ -	\$ -	\$ 250.42	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	778/780	59
028120101130	Hazardous waste cleanup/pickup/disposal, solid pickup, bulk material, maximum		0	0	Ton	\$ -	\$ -	\$ -	\$ 784.21	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	729/290	59
028120101220	Hazardous waste cleanup/pickup/disposal, transportation to disposal site, truckload = 80 drums or 25 C.Y. or 18 tons		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
028120101260	Hazardous waste cleanup/pickup/disposal, transportation to disposal site, truckload = 80 drums or 25 C.Y. or 18 tons, minimum		0	0	Mile	\$ -	\$ -	\$ -	\$ 5.21	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	60
028120101270	Hazardous waste cleanup/pickup/disposal, transportation to disposal site, truckload = 80 drums or 25 C.Y. or 18 tons, maximum		0	0	Mile	\$ -	\$ -	\$ -	\$ 9.56	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	72/20	60
028120103000	Hazardous waste cleanup/pickup/disposal, liquid pickup, vacuum truck, stainless steel tank		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na



LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
028120103110	Hazardous waste cleanup/pickup/disposal, liquid pickup, vacuum truck, stainless steel tank, 2200 gallons, minimum charge, 4 hours, 1 compartment		0	0	Hr.	\$ -	\$ -	\$ -	\$ 184.52	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	729/290	67
028120103120	Hazardous waste cleanup/pickup/disposal, liquid pickup, vacuum truck, stainless steel tank, 5000 gallons, minimum charge, 4 hours, 2 compartment		0	0	Hr.	\$ -	\$ -	\$ -	\$ 263.60	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	755/550	68
028120106000	Hazardous waste cleanup/pickup/disposal, dumpsite disposal charge, minimum		0	0	Ton	\$ -	\$ -	\$ -	\$ 184.52	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	729/290	61
028120106020	Hazardous waste cleanup/pickup/disposal, dumpsite disposal charge, maximum		0	0	Ton	\$ -	\$ -	\$ -	\$ 546.97	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	769/690	61
026510302010	Removal of underground storage tanks, petroleum storage tanks, non-leaking, decontamination of soil on site, includes poly tarp on top/bottom		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
026510302011	Removal of underground storage tanks, petroleum storage tanks, non-leaking, decontamination of soil on site, soil containment berm, and chemical treatment, includes poly tarp on top/bottom		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
026510302020	Removal of underground storage tanks, petroleum storage tanks, non-leaking, decontamination of soil on site, soil containment berm, and chemical treatment, includes poly tarp on top/bottom, minimum	B11C	100	0.16	C.Y.	\$ 11.46	\$ 6.83	\$ 3.78	\$ 22.07	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	72/20	75
026510302021	Removal of underground storage tanks, petroleum storage tanks, non-leaking, decontamination of soil on site, soil containment berm, and chemical treatment, includes poly tarp on top/bottom, maximum	B11C	100	0.16	C.Y.	\$ 14.80	\$ 6.83	\$ 3.78	\$ 25.41	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	79/90	75



LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
026510302050	Removal of underground storage tanks, petroleum storage tanks, non-leaking, disposal of decontaminated soil, includes poly tarp on top/bottom, minimum		0	0	C.Y.	\$ -	\$ -	\$ -	\$ 177.93	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	770/700	76
026510302055	Removal of underground storage tanks, petroleum storage tanks, non-leaking, disposal of decontaminated soil, includes poly tarp on top/bottom, maximum		0	0	C.Y.	\$ -	\$ -	\$ -	\$ 527.20	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	792/920	76
033053400010	Structural concrete, in place		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
033053400020	Structural concrete, in place, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
033053400050	Structural concrete, in place, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
033053402700	Structural concrete, in place, elevated slab (4000 psi), one way beam and slab, 125 psf superimposed load, 15' span, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	C14B	20.59	10.102	C.Y.	\$ 576.81	\$ 465.75	\$ 43.66	\$ 1,086.22	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	78/80	86
033053402750	Structural concrete, in place, elevated slab (4000 psi), one way beam and slab, 125 psf superimposed load, 25' span, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	C14B	28.36	7.334	C.Y.	\$ 547.23	\$ 340.40	\$ 31.60	\$ 919.23	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	76/60	87
033053404300	Structural concrete, in place, free-standing wall (3000 psi), 15" thick x 8' high, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	C14D	80.02	2.499	C.Y.	\$ 316.51	\$ 115.00	\$ 11.20	\$ 442.71	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	784/840	84
033053404350	Structural concrete, in place, free-standing wall (3000 psi), 15" thick x 12' high, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	C14D	51.26	3.902	C.Y.	\$ 316.51	\$ 180.55	\$ 17.52	\$ 514.58	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	759/590	85



LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
323113400010	Fence, fabric & accessories		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		101
323113401650	Fence, fabric & accessories, barbed wire, galvanized, cost per strand	B80A	2280	0.011	L.F.	\$ 0.37	\$ 0.30	\$ 0.20	\$ 0.87	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	101
323129100010	Wood fences & gates, fence, basket weave, 3/8" x 4" boards, 2" x 4", includes post and post hole		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
323129101240	Wood fences & gates, stockade fence, No. 1 cedar, 3-1/4" rails, 6' high, includes post and post hole	B80C	160	0.15	L.F.	\$ 28.38	\$ 4.43	\$ 2.79	\$ 35.60	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	76/60	105
323129100200	Wood fences & gates, board fence, 1" x 4" boards, 2" x 4" rails, 4" x 4" post, includes post and post hole		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
331413350011	Water supply distribution piping, piping HDPE, butt fusion joints, 40' lengths, SDR 21, excludes excavation or backfill		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
331413350100	Water supply distribution piping, piping HDPE, butt fusion joints, 40' lengths, 4" diameter, SDR 21	B22A	400	0.1	L.F.	\$ 2.99	\$ 4.32	\$ 1.87	\$ 9.18	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	73/30	131
331413350200	Water supply distribution piping, piping HDPE, butt fusion joints, 40' lengths, 6" diameter, SDR 21	B22A	380	0.105	L.F.	\$ 6.45	\$ 4.56	\$ 1.98	\$ 12.99	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	79/90	132
331413350300	Water supply distribution piping, piping HDPE, butt fusion joints, 40' lengths, 8" diameter, SDR 21	B22A	320	0.125	L.F.	\$ 10.89	\$ 5.41	\$ 2.34	\$ 18.64	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	71/10	
331413350010	Water supply distribution piping, piping HDPE, butt fusion joints, 40' lengths, SDR 21, excludes excavation or backfill		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
334116300020	Subdrainage piping, plastic, perforated PVC, pipe, excludes excavation and backfill		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
334116300010	Subdrainage piping, plastic, excludes excavation and backfill		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		na
334116302100	Subdrainage piping, plastic, perforated PVC, pipe, 4" diameter, excludes excavation and backfill	B14	314	0.153	L.F.	\$ 4.46	\$ 6.07	\$ 1.21	\$ 11.74	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	72/20	134
334116302110	Subdrainage piping, plastic, perforated PVC, pipe, 6" diameter, excludes excavation and backfill	B14	300	0.16	L.F.	\$ 8.59	\$ 6.36	\$ 1.26	\$ 16.21	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	76/60	135

LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Data Release	CCI Location	SRCe line	
334116350040	Subdrainage piping, corrugated plastic tubing, perforated or plain, in rolls, 4" diameter, excludes excavation and backfill	2 Clab	1200	0.013	L.F.	\$ 1.82	\$ 0.51	\$ -	\$ 2.33	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)	36708	136
334116350010	Subdrainage piping, corrugated plastic tubing, perforated or plain, excludes excavation and backfill		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		
334116350020	Subdrainage piping, corrugated plastic tubing, perforated or plain, in rolls, excludes excavation and backfill		0	0		\$ -	\$ -	\$ -	\$ -	Year 2022 Quarter 1	ALASKA / FAIRBANKS (997)		

**\$ 159,860.17**



**Estimate Name:** Pogo 2022

**ESTIMATE INFORMATION**

**Client Name:** North Star Pogo  
**Estimate Address:** Delta Junction, Alaska

**Notes:**

**COST DATA**

**Estimate Summary:**

	Material		Total*
Base Total	\$ -	\$	-
Total O&P	\$ -	\$	-

**Catalog:** ....Heavy Construction  
**Format:** MasterFormat 2018  
**Release:** Year 2022 Quarter 1  
**Labor Type:** Open Shop  
**City Cost Index:** National Average

\*"Total" column values include the cost of Exception lines that may not be included in the Material, Labor and Equipment

**LEGEND**

**Line Source:**  
U - User defined line item  
A - Adjustment/Modifier  
E - Exception lines

**ESTIMATE**

Quantity	LineNumber	Description	Labor Hours	Unit	Material	Labor	Equipment	Total	Labor Type	Notes
0	313713100100	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	0.258	L.C.Y.	\$ 37.00	\$ 9.85	\$ 13.95	\$ 60.80	OPN	na
0	313713100110	Rip-rap and rock lining, random, broken stone, 3/8 to 1/4 C.Y. pieces, machine placed for slope protection, grouted	0.6	S.Y.	\$ 73.50	\$ 20.50	\$ 26.00	\$ 120.00	OPN	157
0	313713100200	Rip-rap and rock lining, random, broken stone, 18" minimum thickness, machine placed for slope protection, not grouted	0.906	S.Y.	\$ 23.00	\$ 31.00	\$ 39.50	\$ 93.50	OPN	158
0	313613100010	Gabion boxes	0		\$ -	\$ -	\$ -	\$ -	OPN	
0	313613100400	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 6" deep	0.24	S.Y.	\$ 17.95	\$ 8.25	\$ 10.45	\$ 36.65	OPN	159

0	313613100600	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 12" deep	0.314	S.Y.	\$ 36.00	\$ 10.75	\$ 13.70	\$ 60.45	OPN	161
0	313613100700	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 18" deep	0.471	S.Y.	\$ 75.50	\$ 16.15	\$ 20.50	\$ 112.15	OPN	162
0	313613100800	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 36" deep	0.8	S.Y.	\$ 84.50	\$ 27.50	\$ 35.00	\$ 147.00	OPN	163
0	310519530011	Pond and reservoir liners, membrane lining systems HDPE	0		\$ -	\$ -	\$ -	\$ -	OPN	169
0	310519531100	Pond and Reservoir Liners, membrane lining systems HDPE, 100,000 S.F. or more, 30 mil thick	0.017	S.F.	\$ 0.94	\$ 0.59	\$ 0.23	\$ 1.76	OPN	169
0	310519531200	Pond and reservoir liners, membrane lining systems HDPE, 100,000 S.F. or more, 60 mil thick, per S.F.	0.02	S.F.	\$ 1.34	\$ 0.68	\$ 0.26	\$ 2.28	OPN	169
0	310519531300	Pond and Reservoir Liners, membrane lining systems HDPE, 100,000 S.F. or more, 120 mil thick	0.022	S.F.	\$ 2.58	\$ 0.76	\$ 0.29	\$ 3.63	OPN	169
0	015433406410	Rent toilet portable chemical, Incl. Hourly Oper. Cost.	0	Month	\$ -	\$ -	\$ 232.40	\$ 232.40	OPN	173
0	015213200250	Office trailer, furnished, rent per month, 20' x 8', excl. hookups	0	Ea.	\$ 194.00	\$ -	\$ -	\$ 194.00	OPN	172
0	015213200020	Office trailer, furnished, buy, 20' x 8', excl. hookups	16	Ea.	\$ 10,200.00	\$ 665.00	\$ -	\$ 10,865.00	OPN	na
0	313613100500	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 9" deep	0.294	S.Y.	\$ 32.50	\$ 10.10	\$ 12.85	\$ 55.45	OPN	160

<b>Grand Total</b>								<b>\$ 11,985.07</b>		
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