

BELUGA RIVER UNIT GAS STORAGE FACILITY PAD

PREPARED FOR:

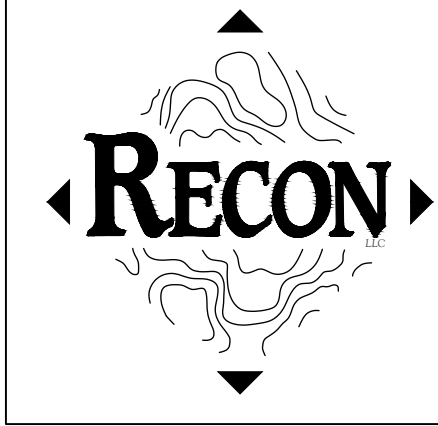
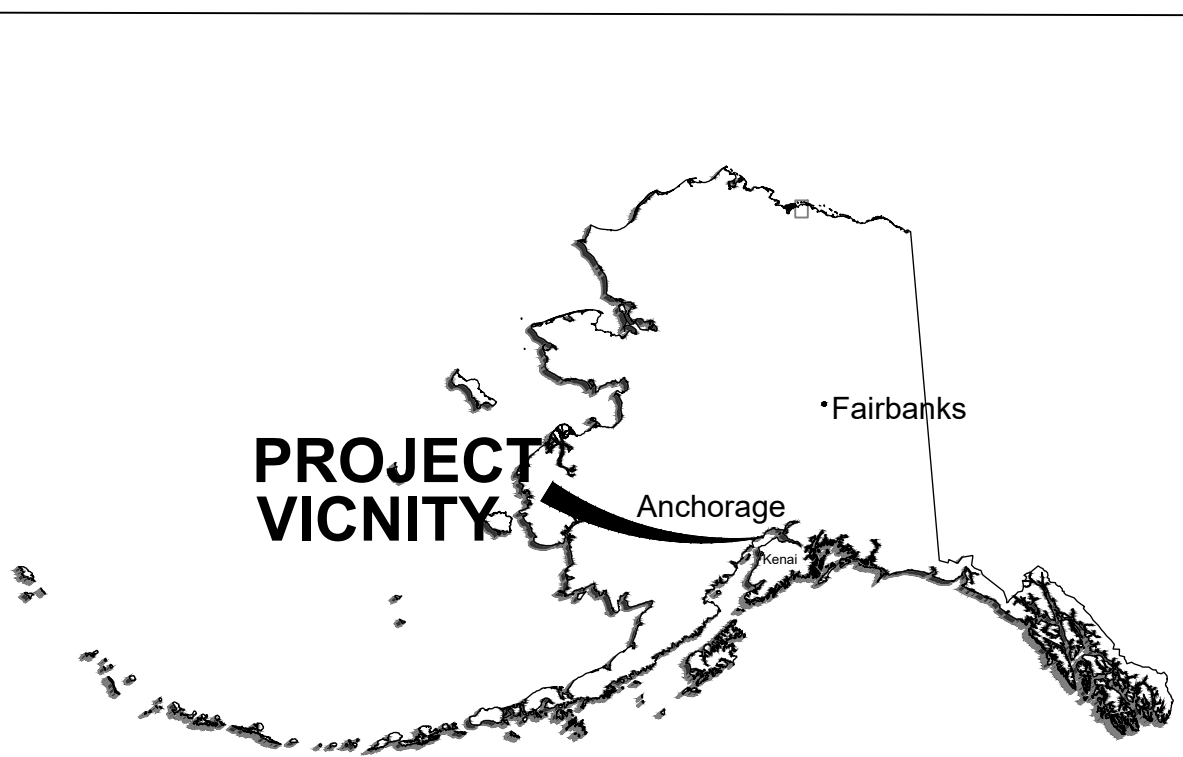
HILCORP ALASKA, LLC
3800 CENTERPOINT DR.
STE.1400
ANCHORAGE, AK 99503

PREPARED BY:

RECON LLC
565 W. RECON CIR.
PALMER, AK 99645

SHEET INDEX:

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PROJECT: GAS STORAGE FACILITY PAD
PROJECT ENGINEER: STEVEN R. ROWLAND
PREPARED BY: RECON LLC 565 W. RECON CIR. PALMER, AK 99645

NO.	DESIGN/CONSTRUCTION/RECORD	DWN BY/DATE	CHKED BY/DATE
01	DRAFT	ZJL/09-11-2026	SRR/09-11-2026

DRAFT
NOT FOR
CONSTRUCTION

PREPARED FOR: HILCORP ALASKA, LLC
3800 CENTERPOINT DR., STE. 1400
ANCHORAGE, AK 99503

BELUGA RIVER UNIT
GAS STORAGE FACILITY PAD
TITLE SHEET

SCALE	SHEET SIZE
1" = 500'	22" X 34"
SHEET 1 OF 4	

GENERAL NOTES

GENERAL DESIGN PARAMETERS

- ROAD GRADE 3.0% MAXIMUM
- ACCESS ROAD SURFACE WIDTH TO BE 24'
- DESIGN SPEED 15 MPH

IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE ABOVE REFERENCES AND THESE GENERAL NOTES, THE OWNER IS TO BE NOTIFIED OF ALL CONFLICTS AND THE FOLLOWING GENERAL PRIORITY SHALL BE FOLLOWED:

- ALL PROJECT PERMIT REQUIREMENTS
- THESE GENERAL NOTES
- THE DESIGN DRAWINGS

PERMITS

- THE OWNER WILL PROVIDE THE CONTRACTOR COPIES OF ALL PERMITS AND APPROVALS THAT ARE OBTAINED BY THE OWNER.
- THE OWNER WILL TRANSMIT TO THE CONTRACTOR WRITTEN APPROVAL FOR THE COMMENCEMENT OF CONSTRUCTION.

SIGNAGE

- PERMANENT SIGNS TO BE INSTALLED BY HILCORP.

INSTALLATION

GRAVEL PLACEMENT

- GRAVEL FILL MATERIAL SHALL NOT BE PLACED OUTSIDE OF THE GRAVEL FILL FOOTPRINT SPECIFIED IN THE DESIGN DRAWINGS. GRAVEL FILL MATERIAL PLACED OUTSIDE OF THOSE LIMITS, INTENTIONALLY OR OTHERWISE, SHALL BE RECOVERED.
- GRAVEL FILL FOR ROAD AND PAD SHALL BE PLACED ON PROPERLY COMPACTED NATIVE CLEAN SAND OR GRAVEL MATERIAL SUBGRADE. NO GRAVEL (BASE MATERIAL) OR CLASSIFIED FILL TO BE PLACED OVER SILT OR ORGANIC SOILS
- TRUCK TRAVEL ROUTES FROM THE MATERIAL SOURCE TO THE PROJECT SITE ARE AS SPECIFIED BY OWNER.

DELETERIOUS MATERIALS AT PLACEMENT

- DELETERIOUS AND WASTE MATERIALS SHALL BE DISPOSED OF AT AN OWNER APPROVED WASTE AREA.
- ALL SUBGRADE PREPARATION AND GRADING SHALL BE COMPLETED WHEN SOIL IS NOT FROZEN. PLACEMENT OF FILL SHALL NOT INCLUDE ANY FROZEN MATERIAL.

PLACEMENT AND COMPACTION OF GRAVEL

- THE FIRST LIFT OF GRAVEL FILL MATERIAL SHALL BE OF A DEPTH NO GREATER THAN TWELVE (12") INCHES PRIOR TO COMPACTION. ALL SUBSEQUENT LIFTS SHALL BE OF A DEPTH NO GREATER THAN TWELVE (12") INCHES PRIOR TO COMPACTION.
- EACH LIFT OF GRAVEL FILL MATERIAL SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% OPTIMUM DRY DENSITY AS DETERMINED BY ASTM D1557.

PLACEMENT GRADES AND TOLERANCES

- GRAVEL FILL FINAL GRADE AND LOCATION SHALL CONFORM THE ALIGNMENTS AND GRADES SHOWN ON THE DESIGN DRAWINGS. GRAVEL FILL SHALL BE FINISHED TO WITHIN A TOLERANCE OF MINUS 0.0FT/PLUS 0.2 FT.

PLACEMENT ACTIVITIES

- AN OWNER'S REPRESENTATIVE SHALL BE PRESENT FOR ALL PLACEMENT ACTIVITIES AND SHALL BE PROVIDED SAFE AND TIMELY ACCESS TO ALL PLACEMENT PROCESSES.

REQUIRED GRAVEL FILL MATERIALS TESTING

- MATERIALS TESTING SHALL COMPLY WITH THE ASTM SPECIFICATIONS CITED BELOW:

C136	METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES
D1557	STANDARD TEST METHODS FOR LABORATORY COMPACTION
D6938	STANDARD TEST METHODS FOR IN-PLACE DENSITY AND WATER CONTENT OF SOIL AND SOIL-AGGREGATE BY NUCLEAR METHODS (SHALLOW DEPTH)

- MATERIAL TESTING SERVICES AND OTHER ASSOCIATED QUALITY CONTROL MEASURES SHALL BE PROVIDED BY THE OWNER.
- THE QUALITY CONTROL TESTING PROVIDER SHALL PROVIDE DOCUMENTATION OF ALL APPROPRIATE INDUSTRY CERTIFICATIONS AND A RELEVANT WORK HISTORY PERTAINING TO THIS PROJECT.

MATERIAL QUANTITIES

ITEM NO.	ITEM DESCRIPTION	ESTIMATED VOLUME OF PLACED MATERIAL FOLLOWING SUMMER GRADING & FINAL COMPACTION (CYDS)	APPROXIMATE AREA OF DISTURBANCE (ACRES)
1	GRAVEL FILL	54600	7.38

MATERIAL SPECIFICATIONS

- AGGREGATE CONTAINING NO MUCK, FROZEN MATERIAL, ROOTS, SOD OR OTHER DELETERIOUS MATTER AND MEETING THE FOLLOWING GRADATION AS TESTED BY ASTM C136:

SIEVE:	PERCENT PASSING BY WEIGHT:
NO. 200	0 - 10% DETERMINED ON THE MINUS 3" PORTION OF THE SAMPLE

- PAD FILL MATERIAL TO MEET THE SPECIFICATIONS LISTED ABOVE AND TO BE FROM A HILCORP PROVIDED SOURCE. OBTAIN ENGINEER APPROVAL PRIOR TO USE. FILL MATERIAL SHALL CONSIST OF NON COHESIVE NATIVE GRAVEL WITH SAND OR SAND WITH GRAVEL.

- OBSERVED DELETERIOUS MATERIALS MUST BE REMOVED FROM THE GRAVEL FILL MATERIAL PRIOR TO THE GRAVEL FILL MATERIAL LEAVING THE MATERIAL SOURCE. DELETERIOUS MATERIALS INCLUDE:

- ICE AND SNOW OF SIGNIFICANT QUANTITY TO CAUSE SUBSTANTIAL SUBSIDENCE OF FILL UPON THAWING.
- OVERBURDEN
- ORGANIC MATERIAL
- CLAY OR SILT

PROJECT DATUM

- HORIZONTAL DATUM: NAD 1983 ALASKA STATE PLANE ZONE 4 US FEET

CONTROL TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	2628199.50	1457958.84	79.35	ALUMINUM CAP
101	2627569.93	1457948.94	76.84	ALUMINUM CAP
102	2628181.56	1457436.86	81.89	PK NAIL



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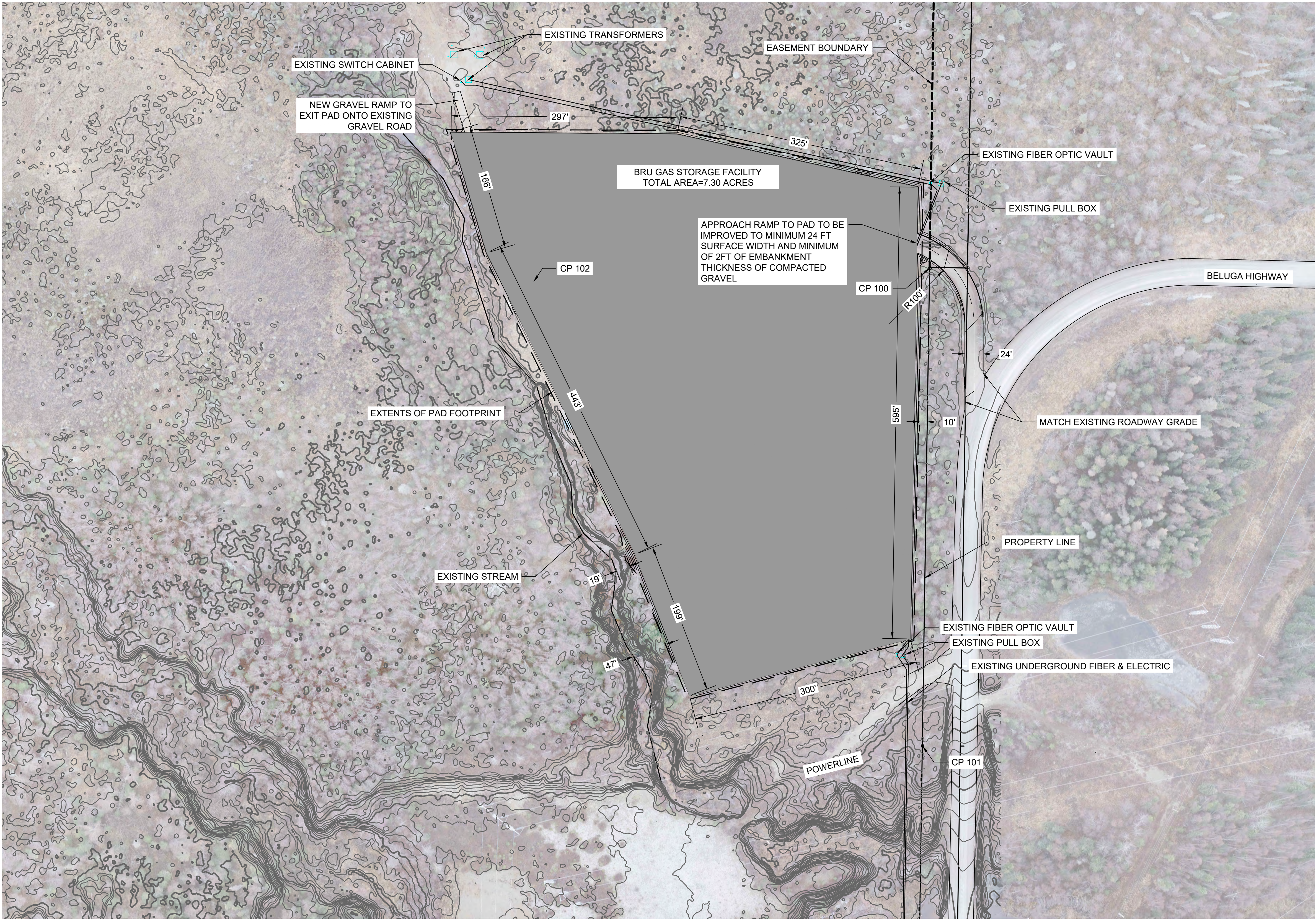
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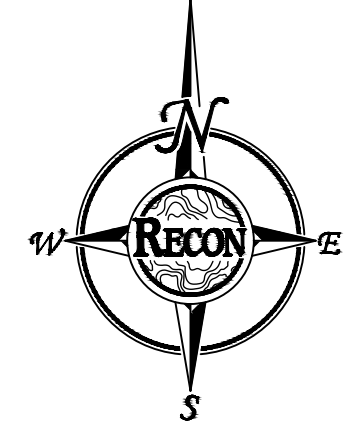
BELUGA RIVER UNIT
GAS STORAGE FACILITY PAD
GENERAL NOTES, SPECIFICATIONS & QUANTITIES

SCALE	SHEET SIZE
	22" X 34"
	SHEET _ 2 _ OF _ 4 _



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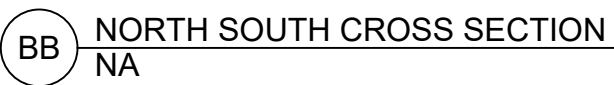
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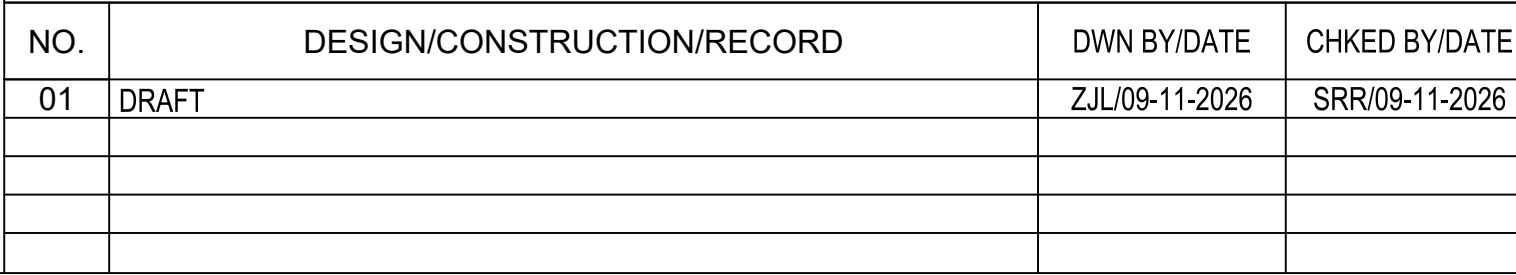
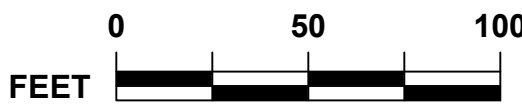
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BELUGA RIVER UNIT
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PROJECT OVERVIEW

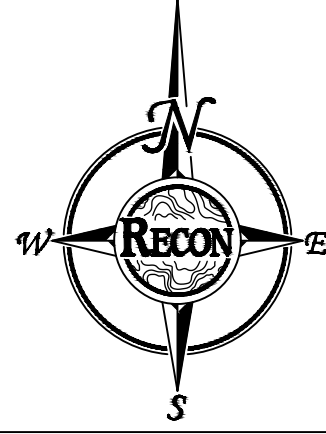
SCALE	1" = 70'	SHEET SIZE	22" X 34"
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1. SURFACE DATA WAS GENERATED BY ALASKA REMOTE IMAGERY OCTOBER 2025
2. VERTICAL DATUM: NAD 83 US FEET
3. FINAL FILL SLOPES ARE 2:1
4. ELEVATIONS SHOWN IN PLAN VIEW ARE FINAL ELEVATIONS AFTER FINAL GRADING AND COMPACTION.



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BELUGA RIVER UNIT
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PLAN AND PROFILE

SCALE	1" = 50'	SHEET SIZE	22" X 34"
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SHEET 4 OF 4