



**1** SITE PLAN  
SCALE: 1" = 500'

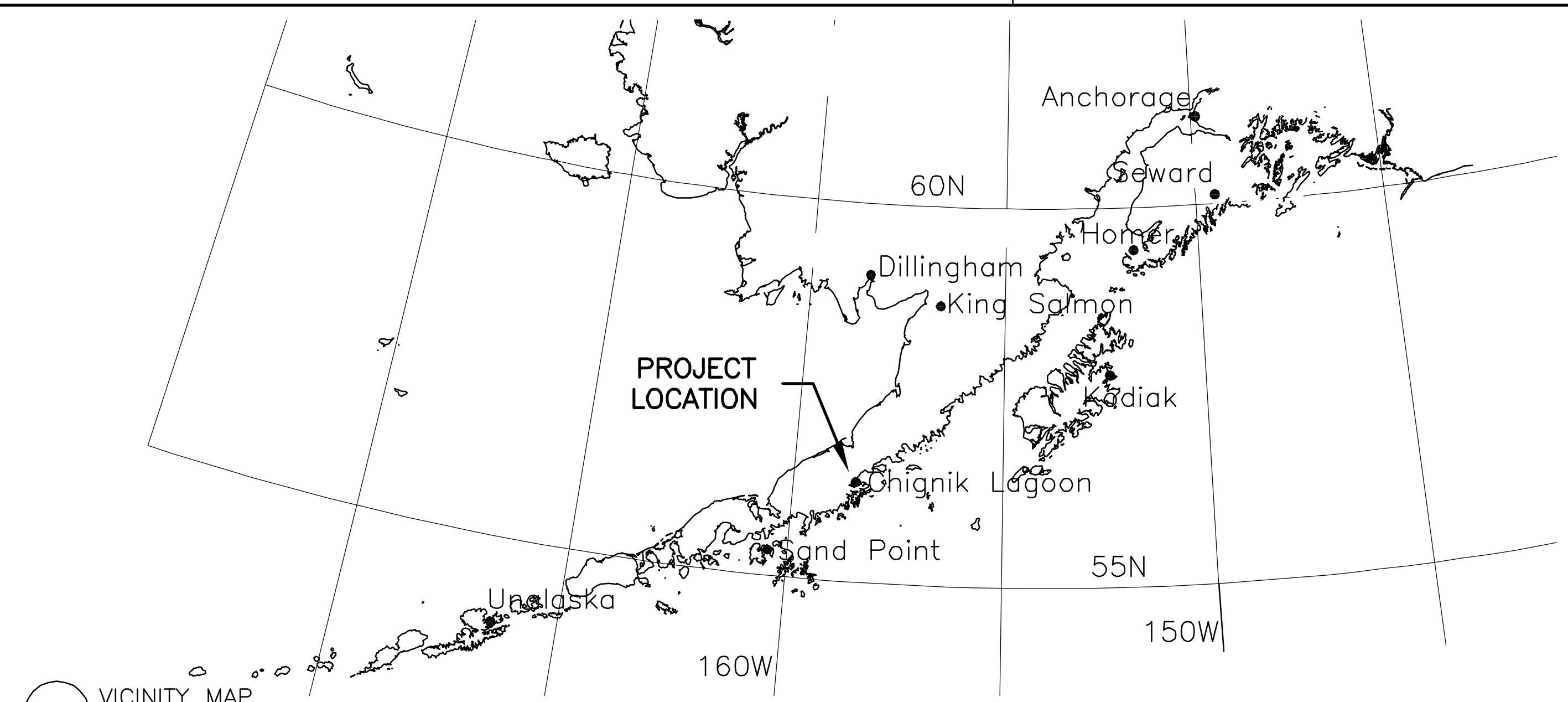
PACKERS CREEK HYDROELECTRIC PROJECT  
CHIGNIK LAGOON, ALASKA  
PROJECT/GRANT #-----

- G-1 VICINITY MAP, SITE MAP, GENERAL NOTES
- C-1 ACCESS ROAD SITE PLAN
- C-2 ACCESS ROAD PROFILE AND SECTIONS
- C-3 ACCESS ROAD BRIDGE
- C-4 ACCESS ROAD DETAILS
- D-1 INTAKE PLAN, ELEVATION, SECTION AND NOTES
- P-1 PENSTOCK PLAN AND PROFILE
- P-2 PENSTOCK PLAN & PROFILE STA: 0+00-14+00
- P-3 PENSTOCK PLAN & PROFILE STA: 14+00-27+50
- P-4 PENSTOCK PLAN & PROFILE STA: 27+50-40+50
- P-5 PENSTOCK PLAN & PROFILE STA: 40+50-POWERHOUSE
- P-6 PENSTOCK DETAILS
- PH-1 POWERHOUSE PLAN AND NOTES
- E-1 ELECTRICAL SITE PLAN AND NOTES
- E-2

PLANT DATA	
INSTALLED CAPACITY:	256 KW
TURBINE TYPE:	PELTON
TURBINE DESIGN FLOW:	9 CFS
DAM SPILLWAY ELEVATION:	522.0 FEET
POWERHOUSE FINISH FLOOR ELEVATION:	96.0 FEET
TAILRACE ELEVATION:	93.0 FEET
AVERAGE OPERATING WATER ELEVATION:	528.0 FEET
TOTAL PLANT GROSS HEAD:	432.0 FEET
FULL FLOW HEAD LOSS:	26.5 FEET
TOTAL PLANT NET HEAD:	405.5 FEET
PENSTOCK DIAMETER:	18 INCHES
PENSTOCK LENGTH:	5042 FEET
DRAINAGE BASIN:	1.0 SQ. MILES
ANNUAL AVERAGE PRECIPITATION:	127 INCHES
ACTIVE STORAGE:	0.1 ACRES
AVERAGE STREAMFLOW:	CFS
100 YEAR FLOOD FLOW:	CFS

- DRAFT -  
06/21/10

- NOT FOR CONSTRUCTION -



**2** VICINITY MAP  
SCALE: 1" = NTS

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NO.	DATE	REVISIONS

PROJECT SITE PLAN  
PROJECT  
PACKERS CREEK HYDROELECTRIC PROJECT  
CHIGNIK LAGOON POWER UTILITY  
Chignik Lagoon, AK

DATE: 6/14/10  
DESIGNED: MDD  
DRAWN: MDD  
CHECKED:       
SCALE: AsNoted  
FILE: PackersCrkHydro

Sheet  
**G-1**  
OF