

Newtok Planning Group October 2019 Update

ROMY CADIENTE, NEWTOK VILLAGE COUNCIL

GAVIN DIXON, ALASKA NATIVE TRIBAL HEALTH CONSORTIUM



Update From Newtok



Erosion Progress



Erosion Progress

Newtok Team

Tribal President: Paul Charles

Relocation Coordinator: Romy Cadiente (Relocation Focus)

Tribal Administrator: Andrew John (Newtok Focus)

Legal Support: Gazewood and Weiner: Michael Walleri, Barrett Ristroph

Financial Support: Yukon Accounting

- Single Audit
- Invoicing, Account Management
- Budgeting

Tribal Funding Management Support: Patrick Lemay

- HMGP, FEMA PDM

Relocation Management, Design and Construction Oversight: ANTHC

ANTHC TEAM

ANTHC Team: Coordination of Relocation – Gavin Dixon

- Design and Construction Management: Bart Adams, Ellie Jackson
- Other: Liz Wulbrecht, Marleah LaBelle, Joe Hess

Design Firms:

- LCG – MEC
- CRW – Water/Sewer
- HDL – Energy, 2018 Roads
- DOWL – Environmental, 2019 Roads
- R&M –Aerial Survey
- Golder – Geotechnical, Geophysics
- CCHRC - Housing

Construction Firms

- UIC – Master Builder for Mertarvik Subdivision
- Brice Inc. – Quarry Development

Goal 1: Occupy Mertarvik by Fall 2019

~100-150 people

21 Year Round Occupied Homes

Electricity

Self Haul Water

PASS Sewer Disposal

No Airport

No Clinic

No Running Water and Sewer

Goal 2 : Safety for Population by 2023

~380 people

Aligns with Newtok Erosion Advancement

65 Year Round Occupied Homes

Requires Significant Funding

School

DOT Airport

Clinic

Partial Running Water/Sewer

Goal 3: Complete Relocation by 2027

~450-500 people

Clean up former occupied site

80-100 Homes

Full Running Water and Sewer

Economic Development

Renewable Energy

Recent Accomplishments

Housing Completion

MEC Progress

Quarry Development

IRT Involvement Summer 2019



Rock Quarry Development



Rock Quarry Development



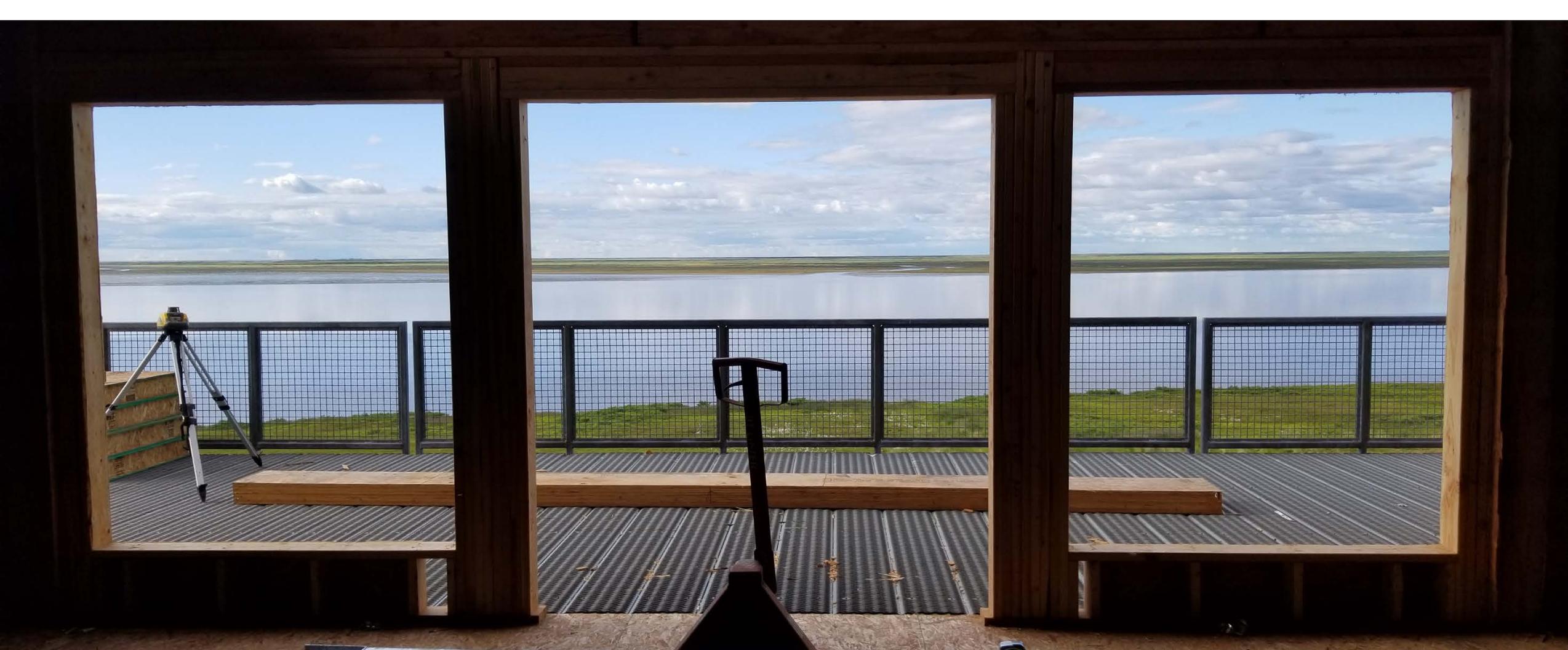
Four Homes Completed by AVCP



Four Homes Completed by AVCP



Mertarvik Evacuation Center



View from the MEC



2019 IRT Participation Confirmed

New 2018 Construction Activities

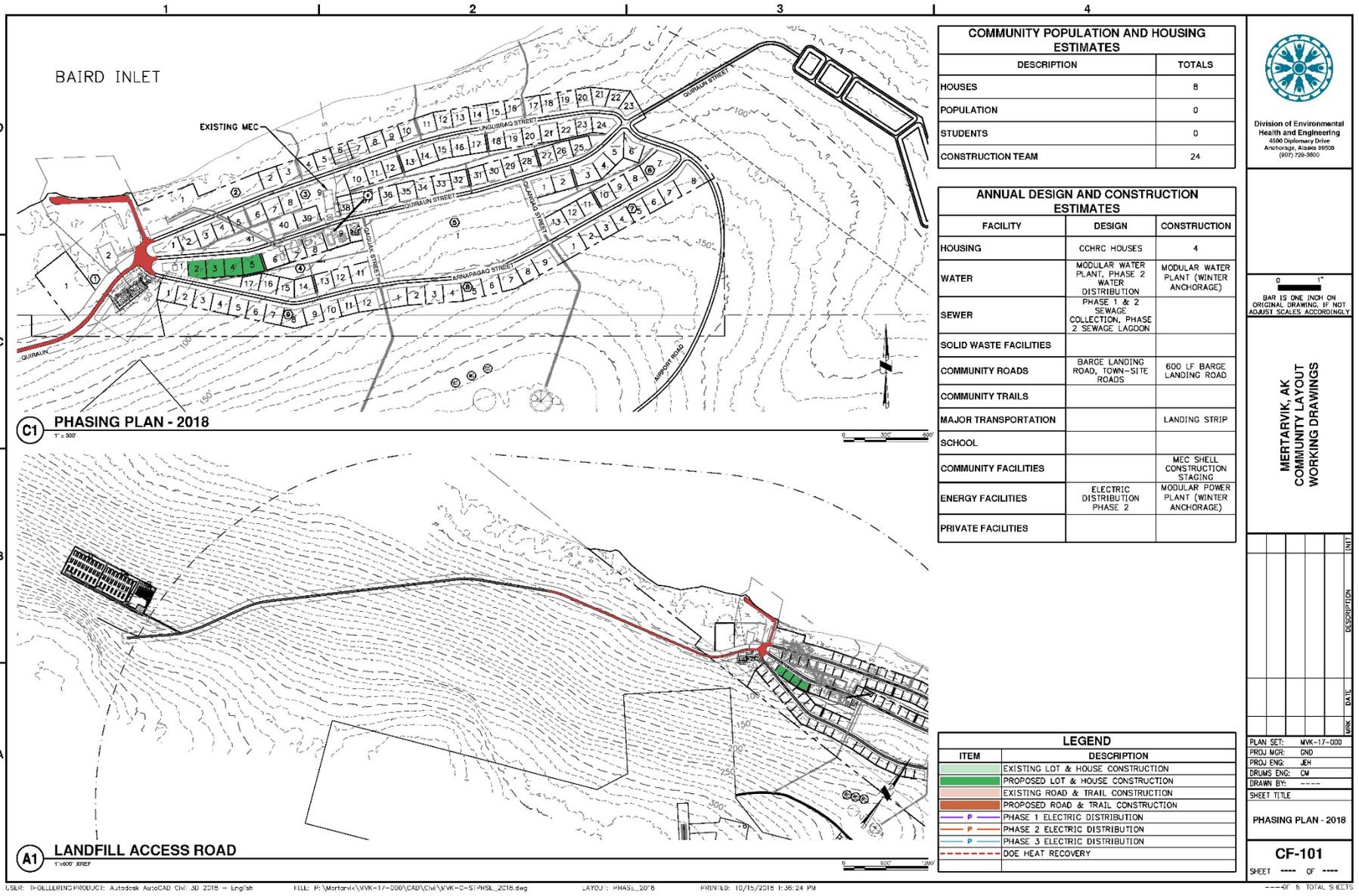
Barge Landing Road

Landing Strip / Wide Road

Equipment Fleet Repair

Construction Fuel Farm Expansion





COMMUNITY POPULATION AND HOUSING ESTIMATES	
DESCRIPTION	TOTALS
HOUSES	8
POPULATION	0
STUDENTS	0
CONSTRUCTION TEAM	24

ANNUAL DESIGN AND CONSTRUCTION ESTIMATES		
FACILITY	DESIGN	CONSTRUCTION
HOUSING	CCHRC HOUSES	4
WATER	MODULAR WATER PLANT, PHASE 2	MODULAR WATER PLANT (WINTER ANCHORAGE)
	WATER DISTRIBUTION	
SEWER	PHASE 1 & 2 SEWAGE COLLECTION, PHASE 2 SEWAGE LAGOON	
SOLID WASTE FACILITIES		
COMMUNITY ROADS	BARGE LANDING ROAD, TOWN-SITE ROADS	600 LF BARGE LANDING ROAD
COMMUNITY TRAILS		
MAJOR TRANSPORTATION		LANDING STRIP
SCHOOL		
COMMUNITY FACILITIES		MEC SHELL CONSTRUCTION STAGING
ENERGY FACILITIES	ELECTRIC DISTRIBUTION PHASE 2	MODULAR POWER PLANT (WINTER ANCHORAGE)
PRIVATE FACILITIES		

LEGEND	
ITEM	DESCRIPTION
	EXISTING LOT & HOUSE CONSTRUCTION
	PROPOSED LOT & HOUSE CONSTRUCTION
	EXISTING ROAD & TRAIL CONSTRUCTION
	PROPOSED ROAD & TRAIL CONSTRUCTION
	PHASE 1 ELECTRIC DISTRIBUTION
	PHASE 2 ELECTRIC DISTRIBUTION
	PHASE 3 ELECTRIC DISTRIBUTION
	DDE HEAT RECOVERY



Division of Environmental Health and Engineering
 6008 Diplomat Drive
 Anchorage, Alaska 99508
 (907) 728-8800

MERTARVIK, AK
 COMMUNITY LAYOUT
 WORKING DRAWINGS

MARK	DATE	DESCRIPTION	UNIT

PLAN SET: MWK-17-000
 PROJ MGR: CM
 PROJ ENG: JEH
 DRUMS ENG: CM
 DRAWN BY: ----
 SHEET TITLE
 PHASING PLAN - 2018
CF-101
 SHEET --- OF ---
 ---OF 5 TOTAL SHEETS

LSE: TP-DRAWING-PRODUCED: Autodesk AutoCAD Civil 3D 2018 - English FILE: P:\Mertarvik\17-000\CAD\Civil\17-000-C-01-PHSE_2018.dwg LAYOUT: PHASE_2018 PRIN: 15/15/2018 1:36:24 PM

2018 Construction

2018 Design Activities

Aerial Survey

- Additional Lidar, Ortho, RTK

Geophysics

- Fills in Gaps from all previous Geotechnical

Wetlands Re- Delineation

- Update wetlands inventory to inform permitting, mitigation requirements

2019 Housing / 2020 Housing Alternatives

2019 Townsite Roads

Equipment Shop

Phase I Water – Sewer

- Camp Services for Summer 2019
- Modular Water Plant for up to 200 people, serve camps, MEC
- Gravity Sewer to Lagoon: Serve Camps, MEC

2019 Planned Construction

13 Homes

Modular Power Plant

Phase I Bulk Fuel Farm

MEC Interior

Modular Water Plant

Landfill

Equipment Shop

Phase I Water/Sewer Service, PASS

Roads, Electric Distribution to above infrastructure



Recent/Active Funding Acquired

Denali Commission

- State of Alaska: Transportation (Roads)

State of Alaska : Bulk Fuel Phase I

State of Alaska: Housing (2019 Housing)

Department of Energy (Heat Recovery)

UMCOR (P.A.S.S.)

USDA RD Water Treatment and Hydrogeology

DMVA HMGP (7 Home Buyout)

FEMA PDM (13 House Pad Construction)

BIA TTP FY17, FY18 (Some Mertarvik Roads)

BIA HIP FY17, FY18 (Future Mertarvik Housing)

BIA Tribal Resilience (Environmental Data Atlas)

HUD IT FY16 (2 Homes)

HUD IT FY17 (MEC Mechanical and Electrical)

SOA MEC (Shell)

Active Applications

AHFC:

- LKSD – Teacher Housing
- NVC – Teacher / VPO / Health Aide Housing

NOAA

- Communication and Engagement – Guidebook Development

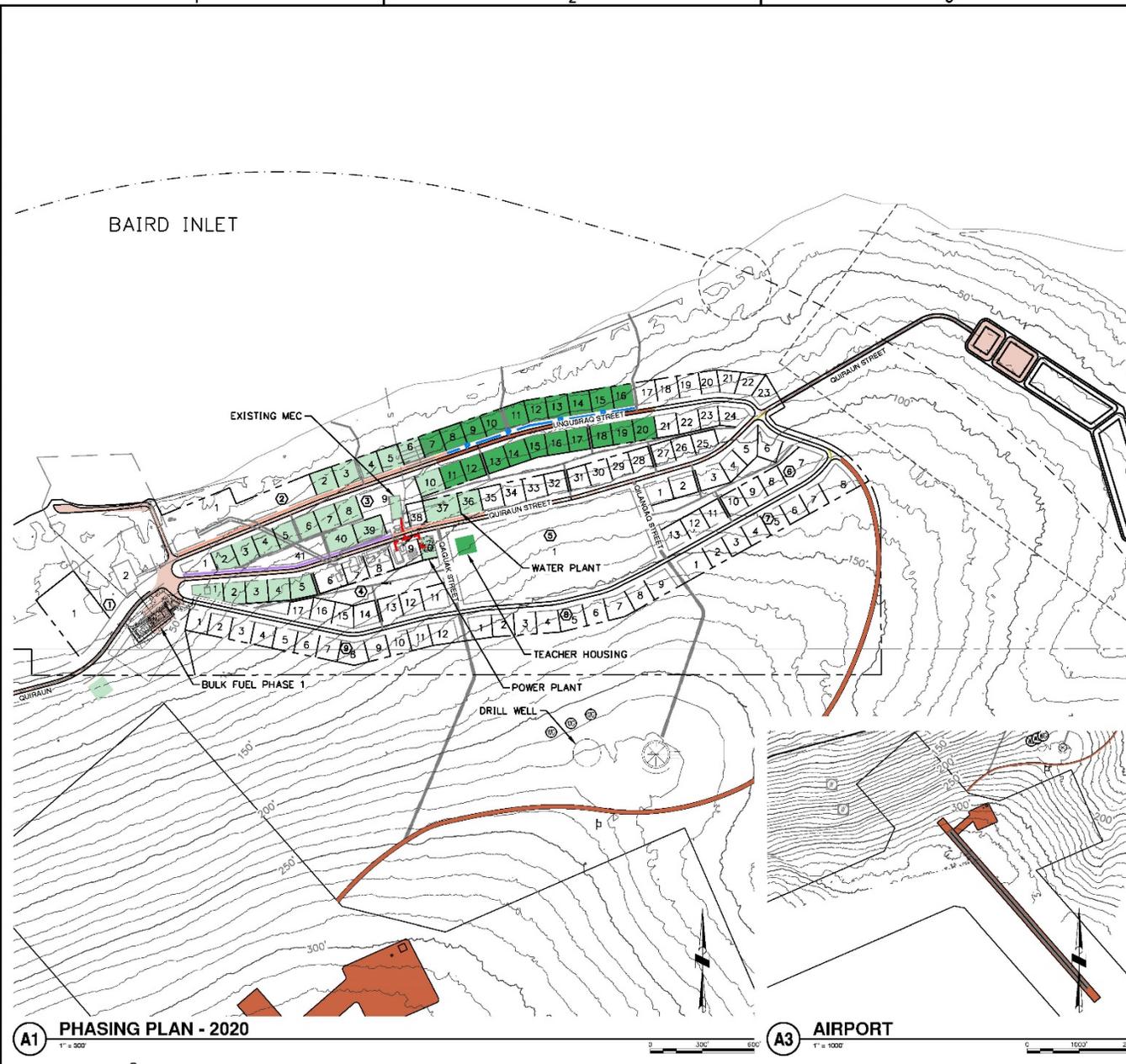
NFWF

- Newtok Clean Up

HUD ONAP TA

- Housing Priority Plan

HUD FY18 IT



A1 PHASING PLAN - 2020
1" = 500'

A3 AIRPORT
1" = 1000'

COMMUNITY POPULATION AND HOUSING ESTIMATES	
DESCRIPTION	TOTALS
HOUSES	41
POPULATION	246
STUDENTS	82
CONSTRUCTION TEAM	48 CONSTRUCTION, 45 IRT

ANNUAL DESIGN AND CONSTRUCTION ESTIMATES		
FACILITY	DESIGN	CONSTRUCTION
HOUSING		17 HOUSES, RELOCATE 3 MVK HOMES
WATER	WATER TREATMENT & DISTRIBUTION PHASE 3 & 4	DRILL WELL & PASS PHASE 2
SEWER	SEWER COLLECTION PHASE 3 & 4	
SOLID WASTE FACILITIES		
COMMUNITY ROADS		TOWNSITE ROADS
COMMUNITY TRAILS		
MAJOR TRANSPORTATION		AIRPORT BARGE LANDING IMPROVEMENTS
SCHOOL		TEACHER HOUSING
COMMUNITY FACILITIES	POST OFFICE STORE	
ENERGY FACILITIES		
PRIVATE FACILITIES	CVRF SHOP	ELECTRIC DISTRIBUTION PHASE 3, HEAT RECOVERY & ENERGY EFFICIENCY

LEGEND	
ITEM	DESCRIPTION
	EXISTING LOT & HOUSE CONSTRUCTION
	PROPOSED LOT & HOUSE CONSTRUCTION
	EXISTING ROAD & TRAIL CONSTRUCTION
	PROPOSED ROAD & TRAIL CONSTRUCTION
	PHASE 1 ELECTRIC DISTRIBUTION
	PHASE 2 ELECTRIC DISTRIBUTION
	PHASE 3 ELECTRIC DISTRIBUTION
	DOE HEAT RECOVERY



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MERTARVIK, AK
COMMUNITY LAYOUT
WORKING DRAWINGS

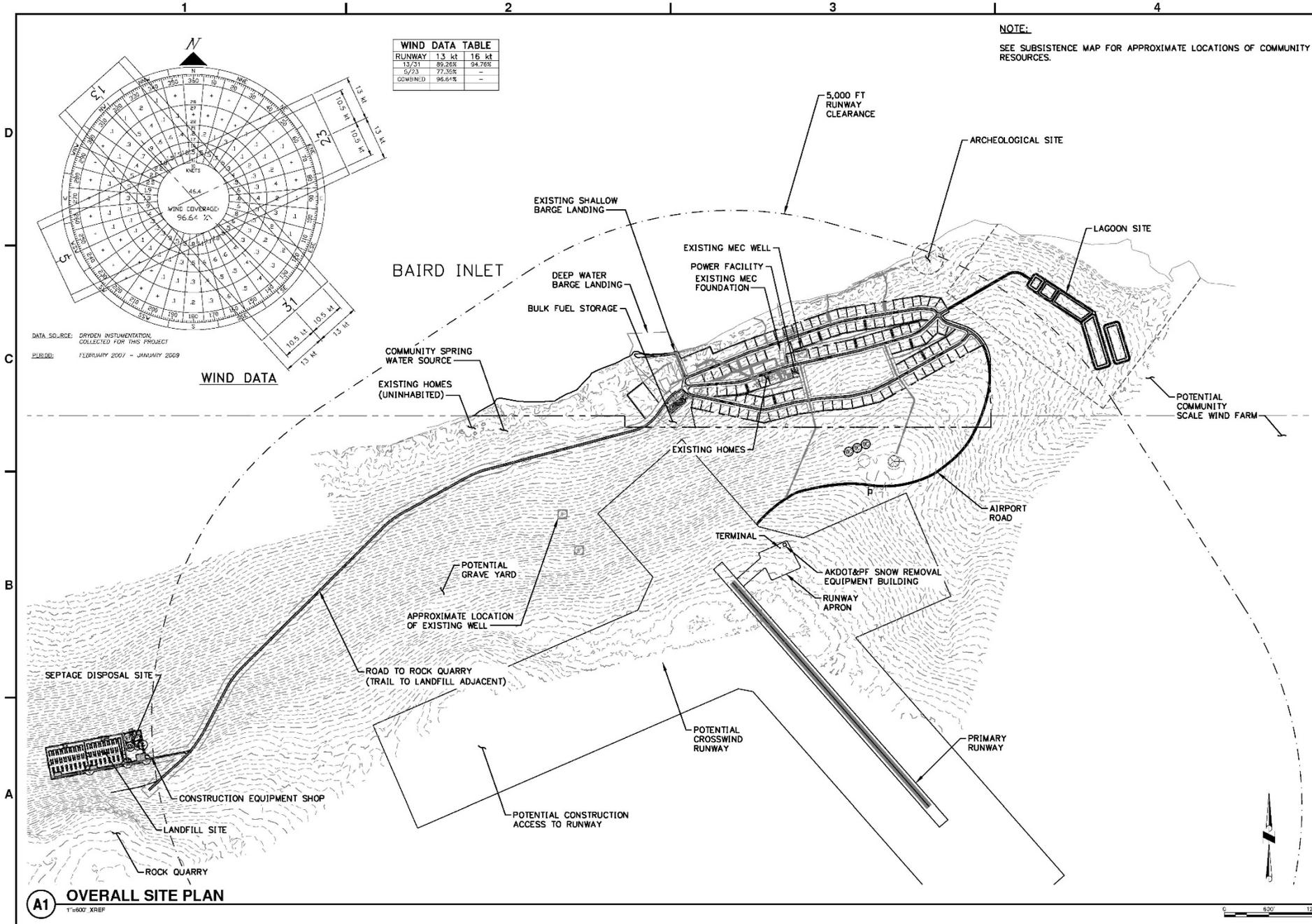
MARK	DATE	DESCRIPTION	INIT

PLAN SET: MWK-17-000
PROJ MGR: GND
PROJ ENG: JEH
DRIMS ENG: CM
DRAWN BY: ----
SHEET TITLE

PHASING PLAN - 2020
CF-103
SHEET ---- OF ----

--- OF 8 TOTAL SHEETS

2020 Phasing Map



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**MERTARVIK, AK
COMMUNITY LAYOUT
WORKING DRAWINGS**

MRK	DATE	DESCRIPTION	INIT

PLAN SET: MWK-17-000
PROJ MGR: GND
PROJ ENG: JEH
DRUMS ENG: CM
DRAWN BY: JEH

SHEET TITLE

OVERALL SITE PLAN

C-100
SHEET 1 OF 2

