

Newtok Planning Group February 2019 Update

ROMY CADIENTE, NEWTOK VILLAGE COUNCIL

GAVIN DIXON, ALASKA NATIVE TRIBAL HEALTH CONSORTIUM





Update From Newtok



Erosion Progress



Utility Operations



Keeping an Eye on Mertarvik

Newtok Team: Additions

Electric Utility Repair: Current River Electric

BIA Tribal Transportation Project Management: Patrick Lemay

HMPG and PDM Grant Application Development: Patrick Lemay

IRT Team:

IRT Project Manager: USAF Captain Jason Askins

Officer In Charge: USAF Captain Alyson White

Non Commission Officer In Charge: USAF MSgt Jarrod Walp

Vertical Construction Lead: USAF SMSgt Denver Long

Horizontal Construction Lead: USMC MSgt Ken McNulty

Alaska National Guard Liaison: Maj Rafael Pacheco

ANTHC TEAM: Additions

New Design Firms or Projects:

- LCG – MEC Interior Design
- CRW – Heavy Equipment Shop Design
- HDL- Electric Distribution System Extension
- CCHRC – 2019 Housing

- Builds off of Strategic Plan
- Includes:
 - Guiding Principles of Relocation
 - Objectives of Master Implementation Plan
 - Project Priorities and Timeline
 - Overall Project List
 - Funding List
 - 2018 Project Summary
 - 2019 Project Summary
 - 2020 Project Summary
 - 2021-2023 Project Summary
 - 2024-2027 Project Summary

Project List	ANTHC	NVC	AKDOT	LKSD	Other
ANTHC Management through 2019	\$ 1,175,000				
PWP #1: Site Investigation	\$ 439,912				
PWP #2 2018 Gravel Production	\$ 4,554,855				
PWP #3 Emergency Landing Strip Construction	\$ 508,342				
PWP #4 Barge Landing Road Construction	\$ 599,893				
PWP #5 Construction Estimating + Planning	\$ 144,656				
PWP #6 Phase I Water/Sewer Design	\$ 446,050				
PWP #7 Power Plant, Phase I Electric Distribution	\$ 2,815,000				
PWP #8: Townsite Roads Design	\$ 149,545				
PWP #9 MEC CA Services	\$ 17,000				
PWP #10 Emergency Landing Strip Extension	\$ 422,000				
PWP #11 Equipment Shop Design	\$ 120,714				
PWP #12 Electric Distribution System Design Phase II	\$ 25,000				
PWP #13 2018 Camp Operations	\$ 56,895				
Environmental Data Inventory		\$150,000			
HMGP 7 Home Demolition		875,000			
AVCP ICDBG IT 2 Homes		900,000			
2018 Totals	\$ 11,474,862	\$ 1,925,000	\$ -	\$ -	\$ -
PWP #14 Gravel Order #3	\$ 2,660,000				
PWP #15 PASS -21 Homes	\$ 843,007				
PWP #16 Water Plant, Phase 1 Water Distribution	\$ 1,750,000				
PWP #17 2019 Mobilization and Site Setup	\$ 1,750,000				
PWP #18 13 House Pad Construction		\$ 575,000			
PWP #19 Equipment Shop Construction	\$ 1,200,000				
PWP #20 MEC Interior Renovations	\$ 635,000				
PWP #21 Landfill Construction Phase 1	\$ 750,000				
PWP #22 Townsite Roads Construction 3600 LF	\$ 700,000				
PWP #23 Bulk Fuel	\$ 4,000,000				
PWP #24 Quarry Road (2500 LF, improvements)	\$ 250,000				
PWP #25 Platting Phase II	\$ 50,000				
PWP #26 Heat Recovery and Camp Renovation	\$ 1,225,000				
PWP #27 Pioneering Sewer Installation	\$ 525,000				
PWP #28 On Site Inspection	\$ 200,000				
PWP #29 Phase II Electric Distribution Construction	\$ 265,000				
PWP #30 2019 Housing Construction	\$ 5,650,000				
PWP #31 NVC Rental Duplex	\$ 625,000				
Newtok Cleanup - BIA School/Additional Housing	\$ 2,700,000				
Airport Design			\$2,000,000		
2019 Totals	\$ 25,778,007	\$ 575,000	\$ 2,000,000	\$ -	\$ -
LKSD Teacher Housing Construction				\$ 625,000	
Newtok Relocation Management		\$ 250,000			
ANTHC Program Management through 2020	\$ 500,000				
Newtok HMGP 6 Home Demolition		\$ 750,000			
ICDBG 2020 Housing 2 AVCP Homes		\$ 800,000			
Renovate + Relocate 3 Newtok Homes	\$ 375,000				
Renovate + Relocate 3 Blue Houses	\$ 450,000				
20 House Pads		\$ 900,000			
12 Additional Homes	\$ 4,200,000				
Gravel Order #4	\$ 2,000,000				
Well Drilling	\$ 500,000				
Infrastructure Extension for 20 Houses	\$ 2,000,000				
School Design				\$ 2,500,000	
Next Phase Water Design + Construction	\$ 4,000,000				
Clinic Design					\$ 250,000
NNC Store Design					150000
Airport Construction			\$ 30,000,000		
2020 Totals	\$ 14,025,000	\$ 2,700,000	\$ 30,000,000	\$ 3,125,000	\$ 400,000
2018-2020 Totals	\$ 51,277,869	\$ 5,200,000	\$ 32,000,000	\$ 3,125,000	\$ 400,000

Master Implementation Plan



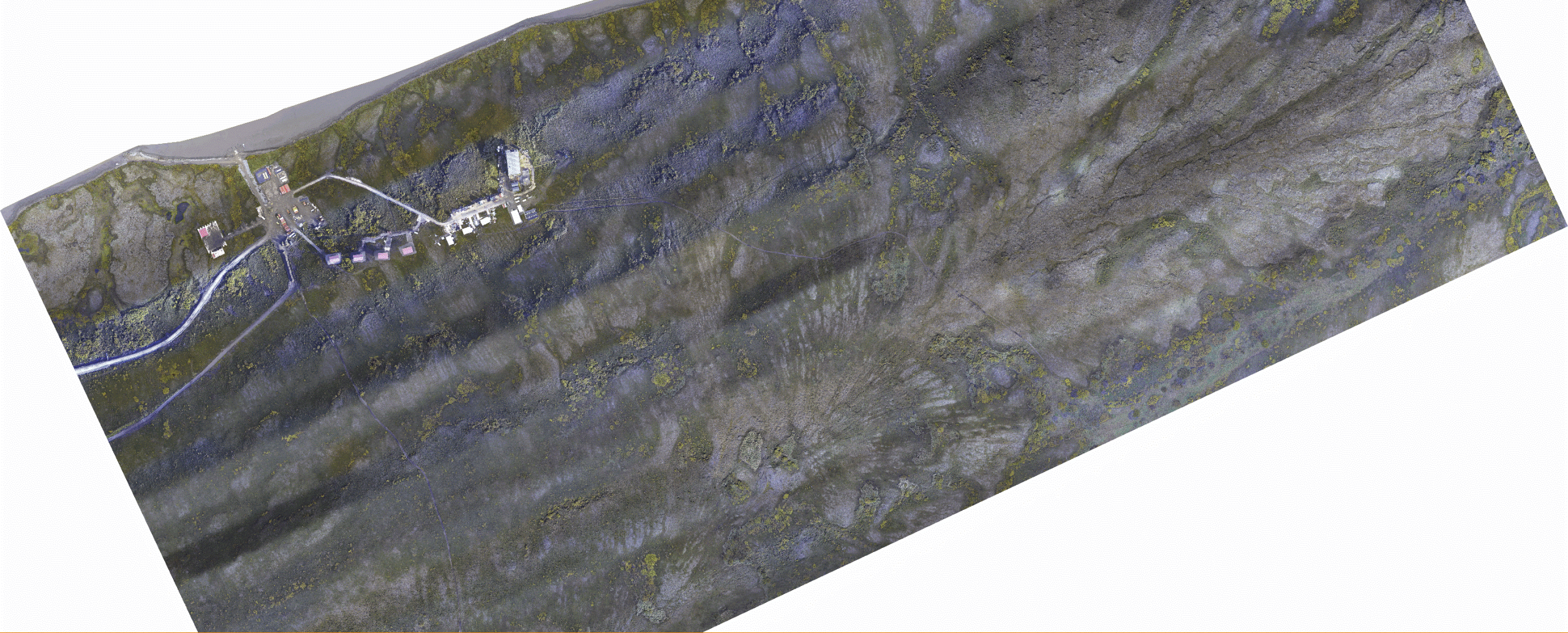
Mertarvik Evacuation Center



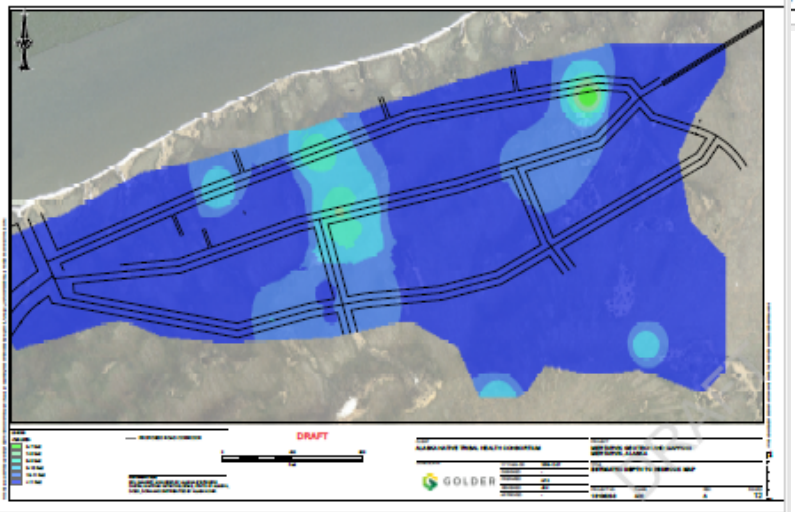
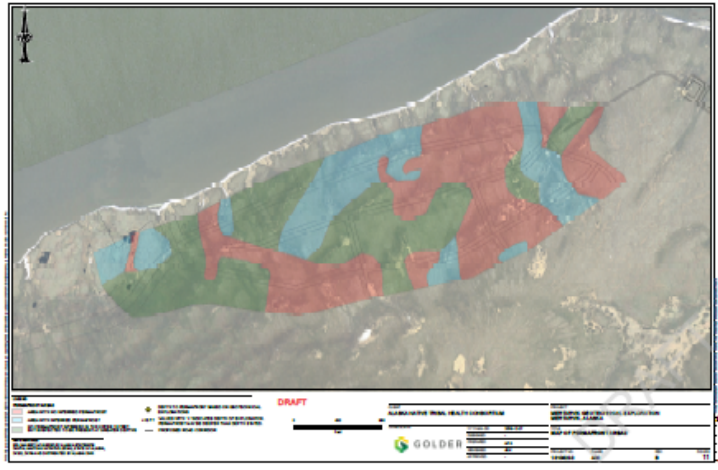
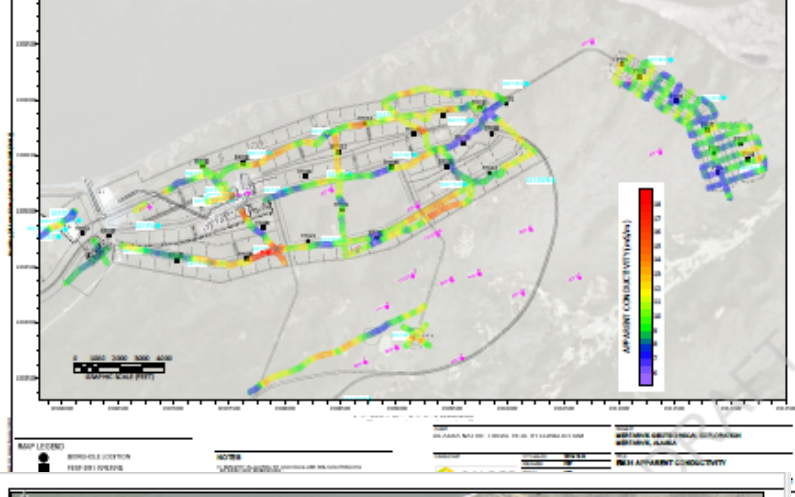
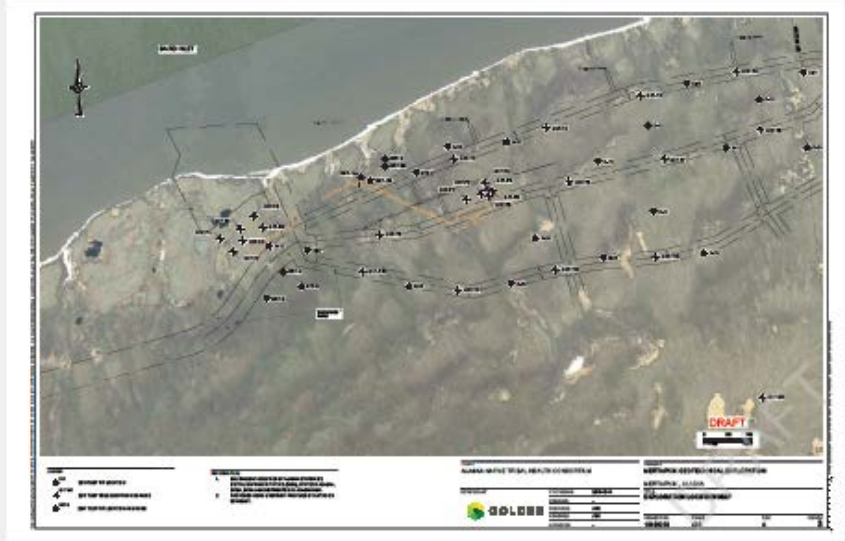
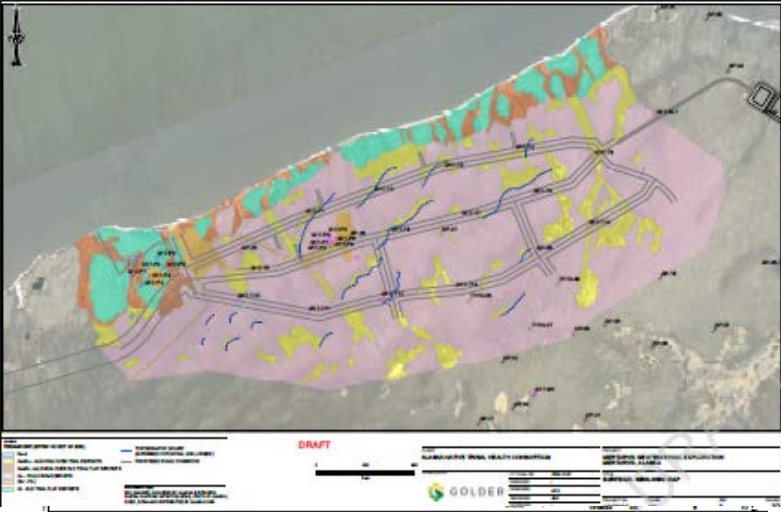
Emergency Landing Strip



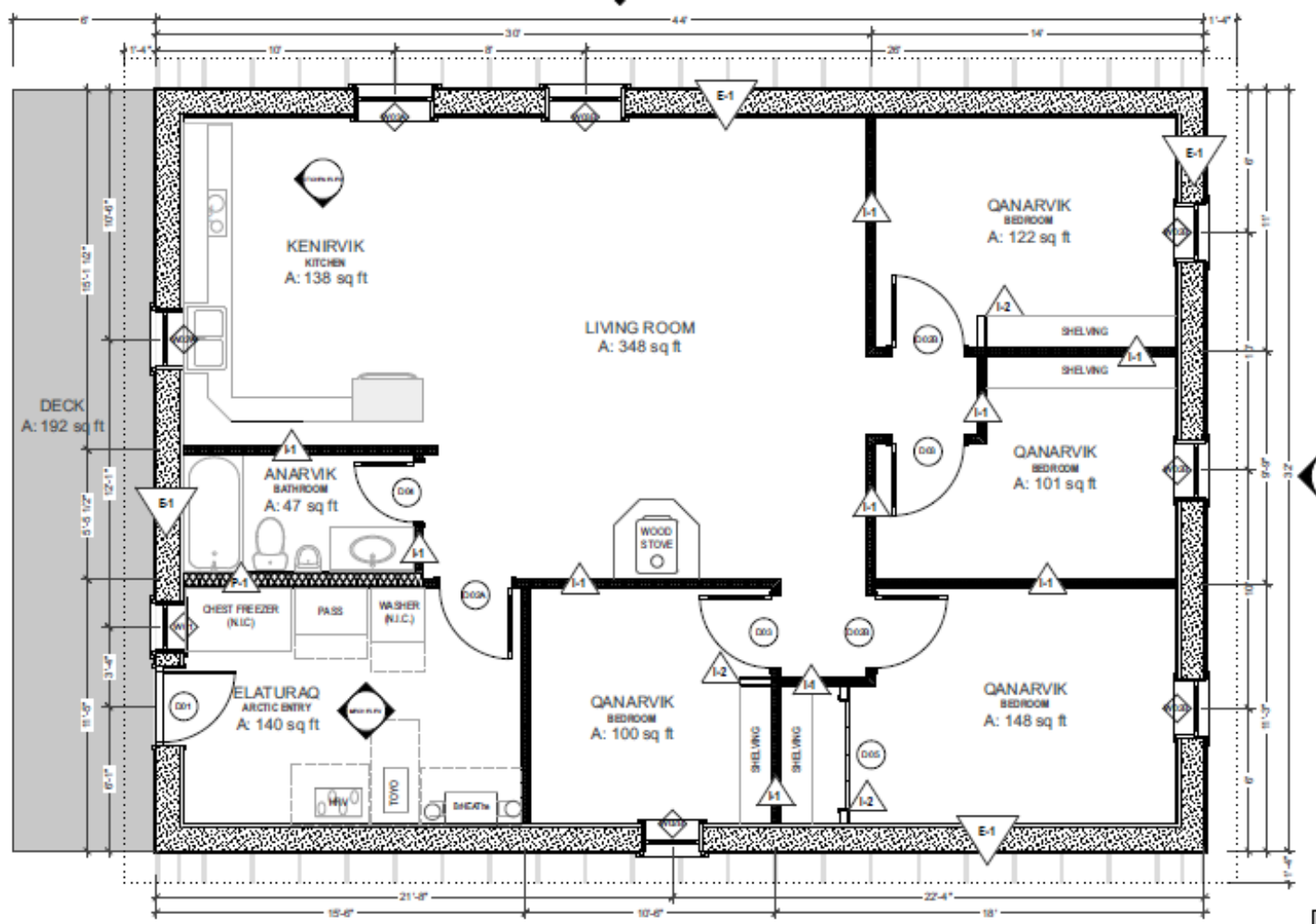
Mertarvik Power Plant



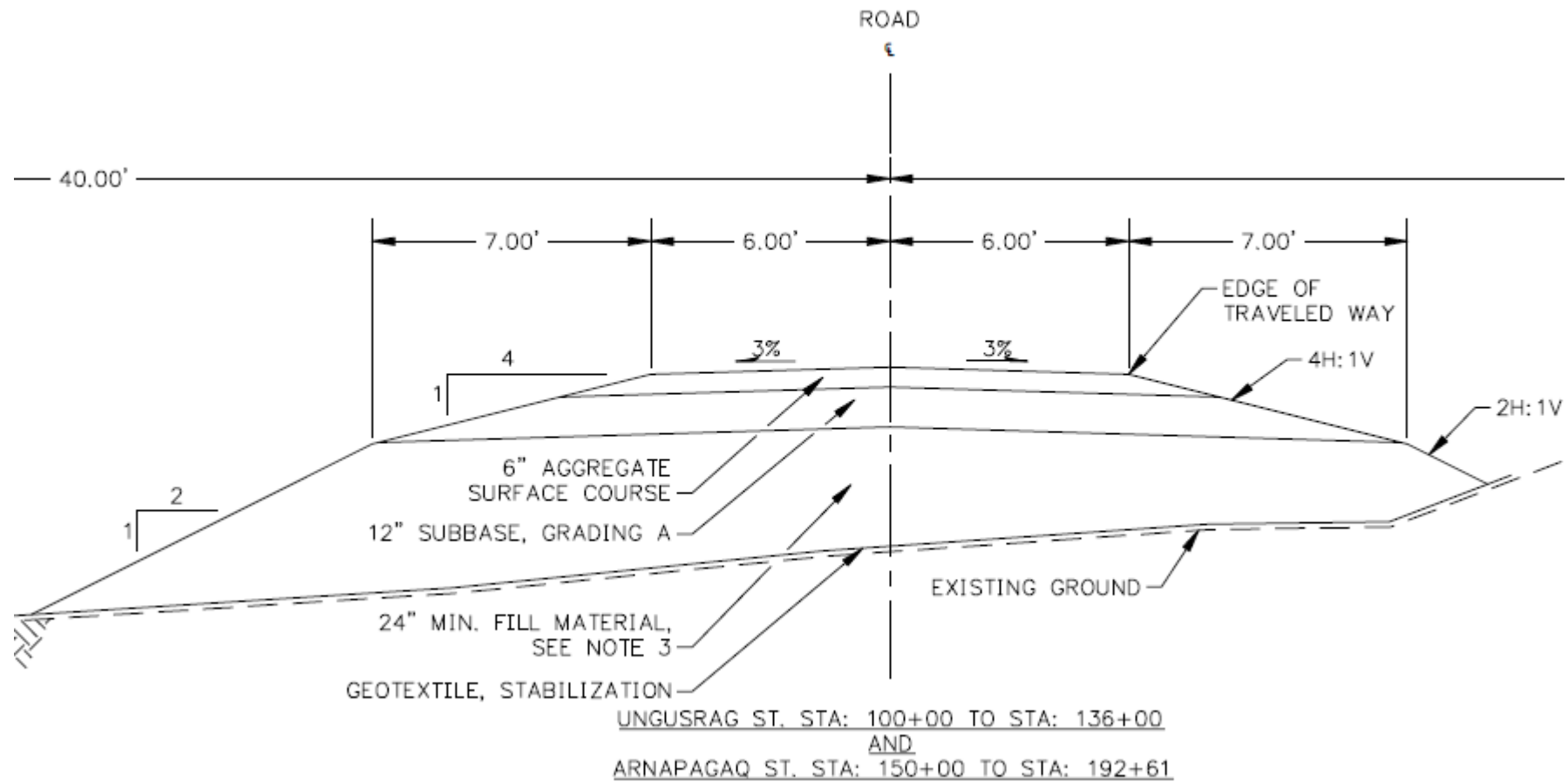
Aerial Survey



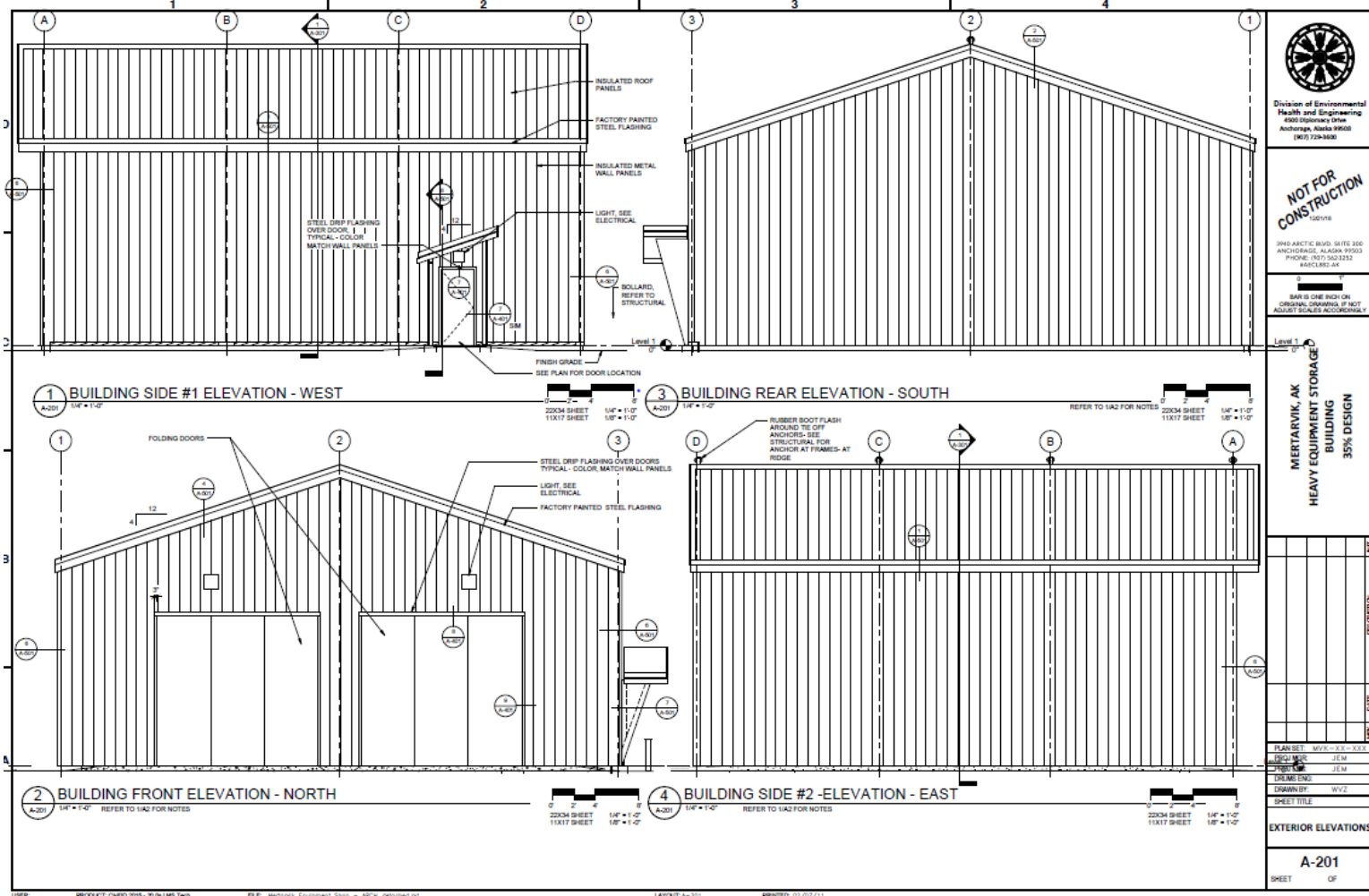
Geophysics



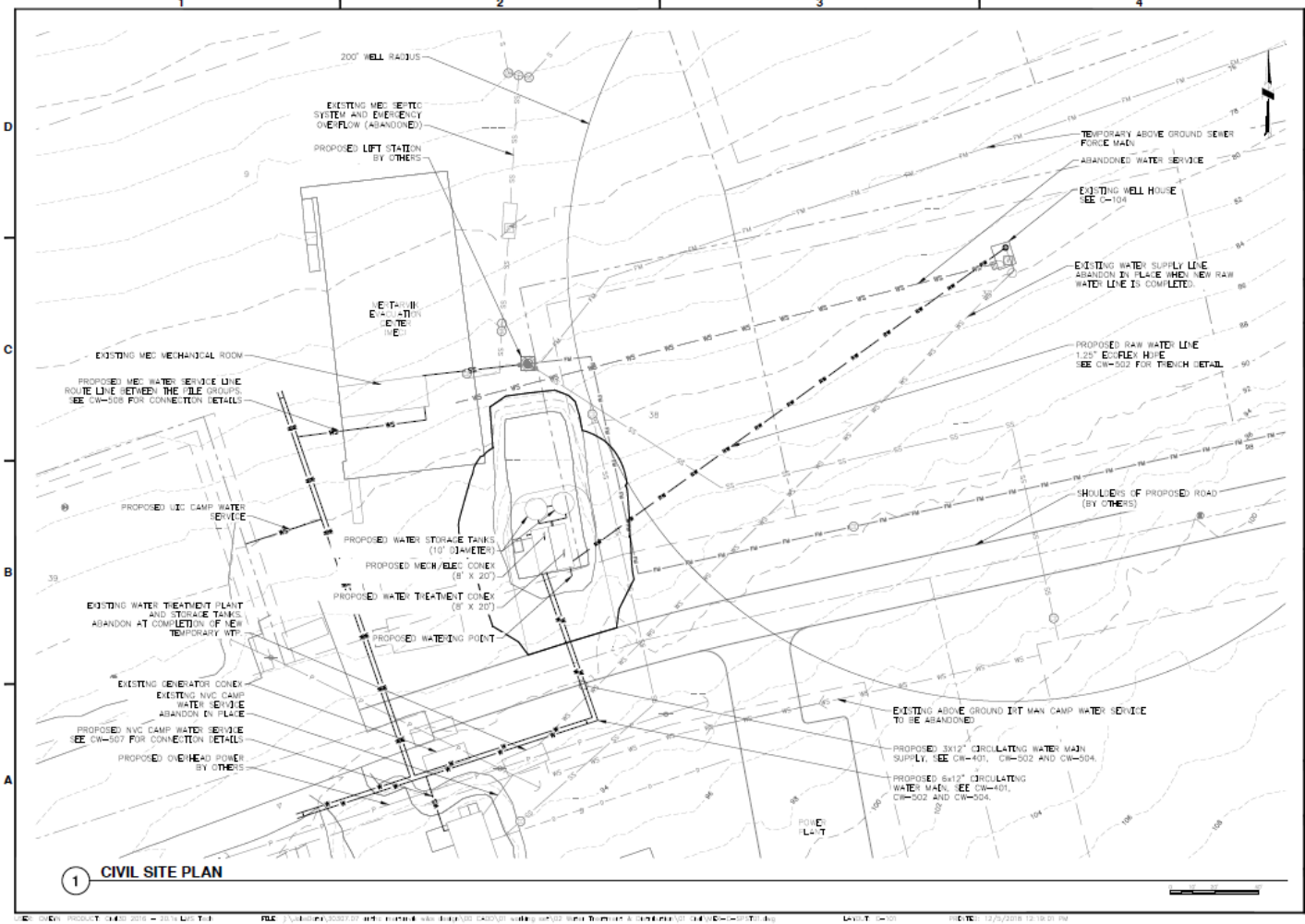
2019 Housing



Townsite Road



Equipment Shop 35%



Water Treatment Plant 95%

2019 Construction Scope and Schedule

Anchorage Winter 2019

Mertarvik Spring 2019

Mertarvik Summer 2019

Mertarvik Fall 2019

Winter 2019 Construction for Mertarvik

Modular Power Plant

Modular Water Plant

Procurement of Materials

- Heavy Equipment Shop
- Fabricated Materials
- Bulk Fuel Tanks
- All other Materials for Summer 2019 Projects

Mertarvik Spring 2019

Equipment Repair

Gravel Production

Complete 200 LF Landing Strip Extension

Complete Barge Landing Access Road

Build IRT, UIC Camp Pads

Expand Laydown Area

Relocate Marie Fairbanks Home

Safety Improvements for MEC

Access Trails to House Pads

8 House Pads

Timeframe: April 15 - June 8

Estimated Crew: ~35

- Brice: 10
- UIC: 25

Key Events:

- Barge departs Seward in May
- Arrive Mertarvik late May, Early June

Mertarvik Summer 2019

Set up UIC Camp, IRT Camp

Preliminary Water / Sewer

Landfill

Heavy Equipment Shop

Complete 4 Houses

5000 LF of Roads

6 Additional House Pads

4 Houses

Bulk Fuel Facility

Power Plant

Gravel Production

Timeframe: June 9 – August 21

Estimated Crew: ~90

- Brice: 10
- UIC: 35
- IRT: 45

Key Events:

- Distinguished Visitor Day - IRT

Mertarvik Fall 2019

9 Houses

Interior Renovations of MEC

Water Plant

600 LF Water Distribution System

Water Services

Portable Alternative Sanitation Systems

Electric Distribution

Energy Efficiency Improvements– NVC Camp

Timeframe: August 21 – November 15, 2018

Estimated Crew: 45

- Brice: 10
- UIC: 35

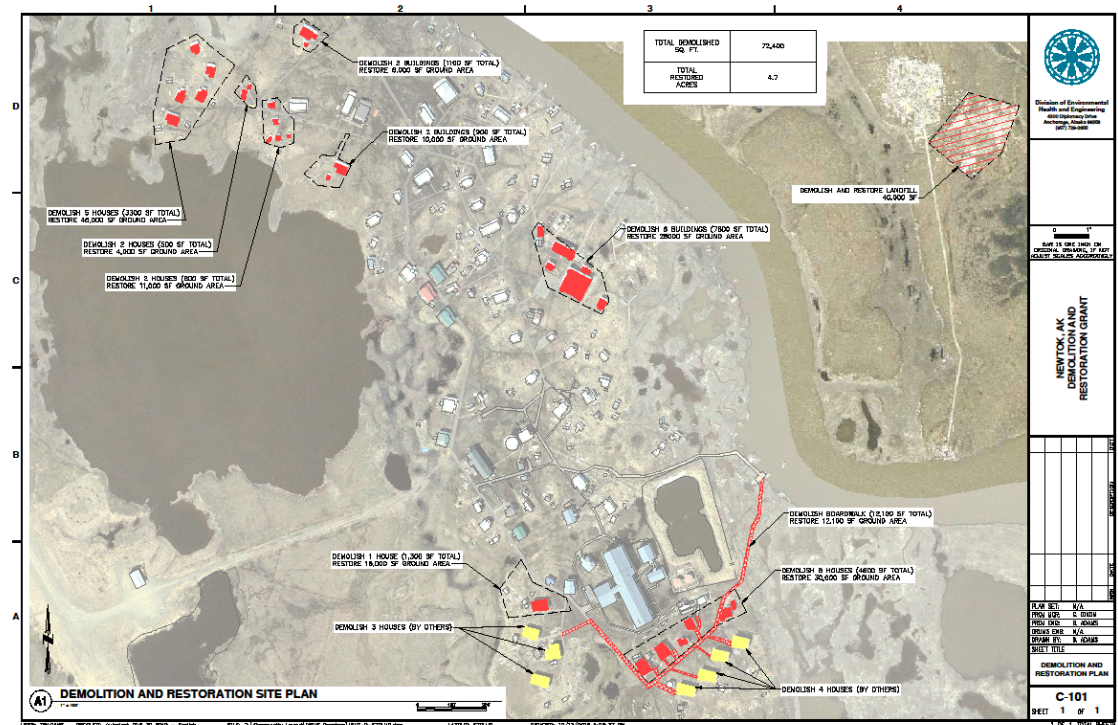
Key Events:

- Agency Site Visit – August/September
- **Community Move in – October 15**

Recent Funding Acquired: NFWF

National Fish and Wildlife Federation

- \$2.73 million
- 2019 – 2021
- Scope of Work
 - Assessment of Infrastructure and Demolition Plan
 - BIA School Structure
 - Near Erosion Housing Structures (not covered by HMGP)
 - High Flood Risk Housing Structures(North Newtok)
 - Dump Site Clean Up



Recent Funding Acquired: AHFC THHP

Alaska Housing Finance Corporation Teacher,
Health Professional, Public Safety Housing
Program

- 2100 square foot duplex (3 BR, 2 BR)
- 2019 Design (CCHRC)
- 2020 Construction (UIC)

NVC:

- \$500,000
 - \$386,000 Grant
 - \$114,000 Loan

LKSD

- \$500,000 grant



① DUPLEX 1: SOUTH ELEVATION/ DUPLEX 2: EAST ELEVATION
SCALE: 1/8" = 1'-0"



② DUPLEX 1: NORTH ELEVATION/ DUPLEX 2: WEST ELEVATION
SCALE: 1/8" = 1'-0"

Recent Funding Acquired: UAF - CSET

University of Alaska Fairbanks

Center for Safety Equity in Transportation

- Transportation Safety Training
- Inter – Community Trail Planning
- Contact: Nathan Belz

Active Applications

HUD FY18 IT

- \$440,000
- Newtok Solid Waste Response
- Portable Solid Waste Management Equipment
- Clean up of Household Trash Accumulation

HUD FY18 ICDBG

- \$600,000
- Two 4 BR Houses in Mertarvik 2020
- AVCP Construction

DMVA HMPG

- Buyout And Demolition of 6 Homes in Newtok
- 2020

FEMA PDM

- Phase 2 Water Treatment and Distribution for Mertarvik
- 2020-2021

FEMA PDM

- Additional Housing Pads for Mertarvik
- 2020

Mertarvik Airport Update

Design Currently at 70% Complete

FAA EIS, Airport Layout Plan currently nearing completion

Airport Property Acquisition is expected Fall 2019.

Construction expected to begin 2020

Relocation Guidebook

- PLANNING DOCUMENT FOR LOGISTICS OF LIVING IN MERTARVIK IN FALL 2019
- WILL INCLUDE INFORMATION ON
 - School Services
 - Clinic Services
 - Store
 - Utilities
 - telecommunication

- INFORMS RESIDENTS THAT THEY WILL HAVE SIMILAR SERVICES TO THOSE OFFERED IN NEWTOK





Living in the New Village Outline

- WATER
- BULK FUEL
- ELECTRICITY
- SOLID WASTE
- STORE
- SCHOOL
- CLINIC
- TELECOMM
- AIR SERVICE
- BARGE ACCESS
- POST SERVICE
- EMERGENCY PLANNING
- VETERINARY CARE
- VILLAGE SAFETY
- NNC & NVC OFFICES
- COMMUNITY CENTER



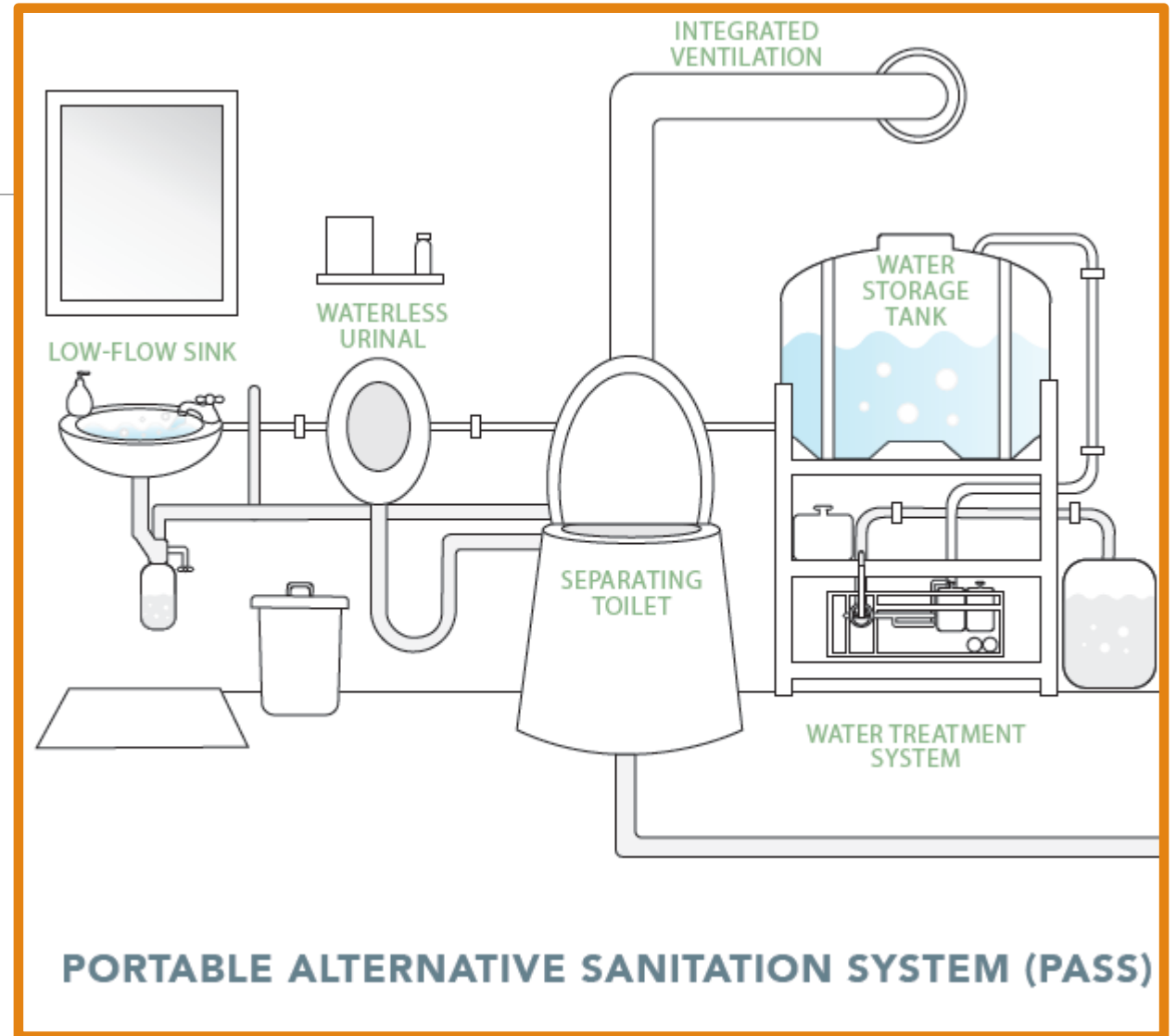
Healthy Homes Manual

INFORMATION ON KEEPING YOUR NEW HOME:

- Dry & Ventilated
- Clean, Contaminant-Free, & Pest Free
- Safe & maintained

WILL INCLUDE SPECIFIC INFORMATION ON THE SYSTEM IN THE HOME:

- CCHRC HRV System
- PASS





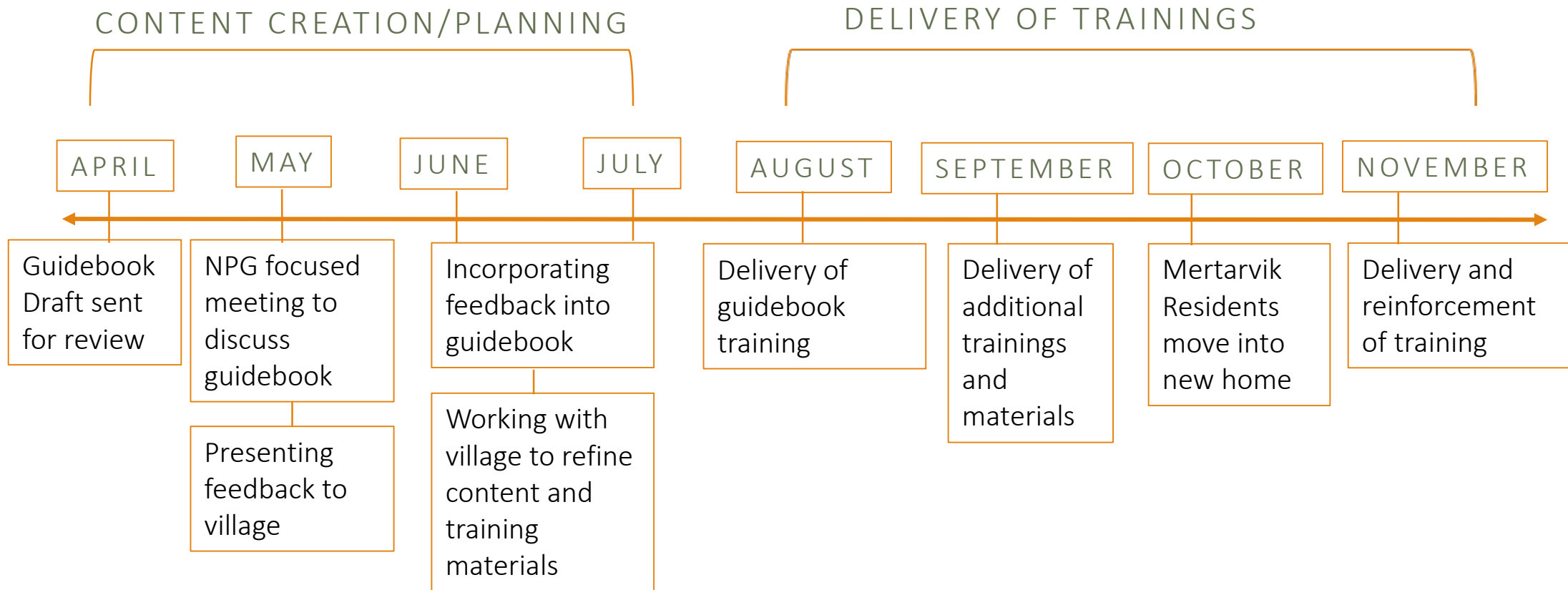
What we need: your expertise on delivering services in Mertarvik

- TELECOMMUNICATIONS
- HEALTHCARE
- SAFETY
- HOME MAINTENANCE

NEXT STEPS

- PROPOSING DIFFERENT OPTIONS/BEST PRACTICES TO THE VILLAGE FOR SERVICE DELIVERY
- INCORPORATING THIS INFORMATION INTO THE GUIDEBOOK
- DECIDING BEST WAYS TO DELIVER THIS INFORMATION; GUIDEBOOK, VIDEO TRAININGS, LIVE TRAININGS, ETC.

Timeline



Request for Engagement and Support

Technical Assistance

- Support in Development of Guidebook
- Support in Provision of Resident Training
- Support in Relocation Programs
- Housing Policy Evaluation

Donations for 2019 Pioneer Residents

Immediate Funding

2020 Housing Development Funding

- Renovation and Relocation of Homes (3-6 Houses)
- Construction of New Homes (~8 New Construction)

Funding Extension of Roads, Electricity, Sanitation for 2020

- Additional ~1100 LF of Road
- Additional ~1000 LF of Electric Distribution
- Additional ~20 P.A.S.S. Units

Request for Engagement and Support

Long Term Major Funding Needs

- Housing
 - 2021-2023
 - 24 Units
- New LKSD School Structure
 - Design Complete 2021
 - Complete Construction by Fall 2023
- Newtok Clean Up
 - 2021-2027
 - Soils, School, Airport, Community Core, Landfill
- Water and Sewer Phase II
 - Sewage Lagoon, Gravity Sewer Services
 - Well Drilling, Water Treatment Expansion, Water Main