

CLACKAMAS COUNTY BOARD OF COUNTY COMMISSIONERS

Policy Session

Presentation Date: August 10, 2021
Length: 30 minutes

Approximate Start Time: 3:30 pm **Approximate**

Presentation Title: ARPA Phase 1 Broadband Expansion

Department: Technology Services

Presenters: Dave Devore and Duke Dexter Nancy Bush

Other Invitees: and Elizabeth Comfort

WHAT ACTION ARE YOU REQUESTING FROM THE BOARD?

Clackamas Broadband eXchange (CBX) is asking the Board for approval to release the \$2.5 million American Rescue Plan Act (ARPA) funding for the expansion of fiber optic cable to underserved/unserved areas of Clackamas County as approved by the Board on July 13, 2021.

EXECUTIVE SUMMARY (why and why now):

Brief History of Clackamas Broadband eXchange

- In 1990, Clackamas County commissioned a Communications Needs Assessment and Feasibility Study to better understand our communications status and requirements.
- In 2010, Clackamas County was awarded a Broadband Technology Opportunities Program (BTOP) grant for \$7.8 million to develop the Clackamas Broadband eXchange.
- In addition, the County pledged an additional \$3.3 million in resources for a total project of \$11.1 million.
- Construction occurred from March 2011 - October 2013 for the infrastructure planned in the BTOP Grant. Additional construction and expansion has also occurred as additional funding and partners became available to increase the scope of the initial project.

Current Status of Clackamas Broadband eXchange

- Since October 2013, CBX has successfully converted to a self-sustaining utility service for the County with revenue based on affordable rates for public and private agencies utilizing the fiber infrastructure. This funding provides for ongoing program expenses, as well as contingency for repairs and capital for ongoing expansion to new agencies, underserved regions and new service opportunities.
- CBX currently maintains a staff of 4 and contracts with local communications companies for call center and emergency response to fiber breaks.
- CBX has a customer base of around 360 sites and maintains a large multi-ring dark fiber network of 348 miles

Future Expansion of Clackamas Broadband eXchange

- The American Rescue Plan Act of 2021 allocated funds to counties for relief from the Covid – 19 pandemic. These funds can be spent on a variety of items including broadband expansion. The Board approved on July 13, 2021 an allotment of \$2.5 million dollars from the first distribution for broadband expansion into underserved/unserved areas within Clackamas County.

FINANCIAL IMPLICATIONS (current year and ongoing):

Is this item in your current budget? YES NO

What is the cost? \$2.5 million depending on guidance American Rescue Plan Act funds from 2021.

What is the funding source?

STRATEGIC PLAN ALIGNMENT:

- How does this item align with your Department’s Strategic Business Plan goals?
This aligns with the purpose of the Clackamas Broadband eXchange (CBX) program to provide fiber optic design, allocation, installation and maintenance services to provide access for all.
- How does this item align with the County’s Performance Clackamas goals?
It aligns with the Building a Strong Infrastructure Goal: *By 2026, 100% of County residents and businesses - where served - have access to safe and affordable infrastructure: multimodal transportation including roads, sewer and broadband services*

LEGAL/POLICY REQUIREMENTS:

All contracts and intergovernmental agreements will be reviewed by County Counsel.

PUBLIC/GOVERNMENTAL PARTICIPATION:

Work with local communities and organizations to raise awareness about expansion projects and create public-private/public-public partnerships for delivery of high speed internet.

FUNDING OPTIONS:

- Option 1: Approve the release of the \$2.5 million ARPA funding to begin expansion of new fiber to the premise (FTTP) as outlined in the 4 projects of phase 1.
- Option 2: Do not proceed with expansion

RECOMMENDATION:

- Option 1: Approve the release of the \$2.5 million ARPA funding to begin expansion of new fiber to the premise (FTTP) as outlined in the 4 projects of phase 1.

ATTACHMENTS: CBX Phase 1 Maps and Schedules

SUBMITTED BY:

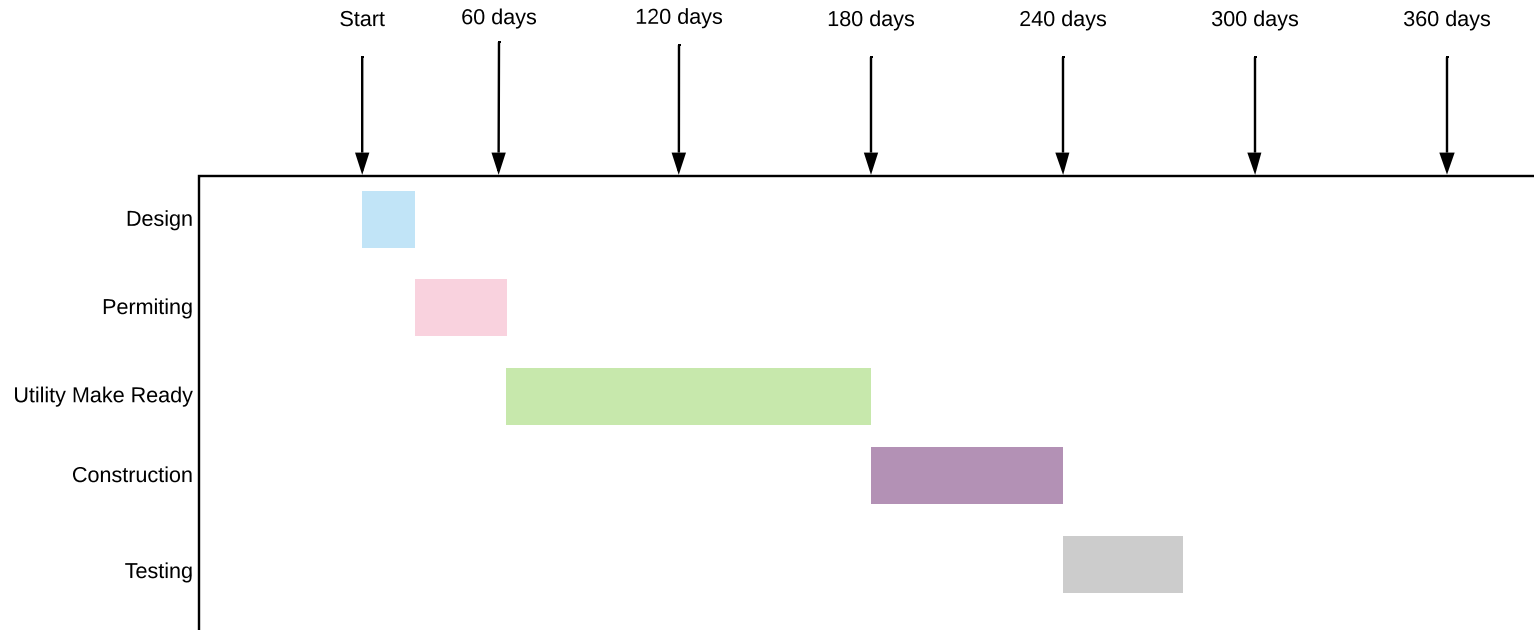
Division Director/Head Approval _____
 Department Director/Head Approval David DeVore
 County Administrator Approval _____

For information on this issue or copies of attachments, please contact Dave DeVore @ 503-723-4996

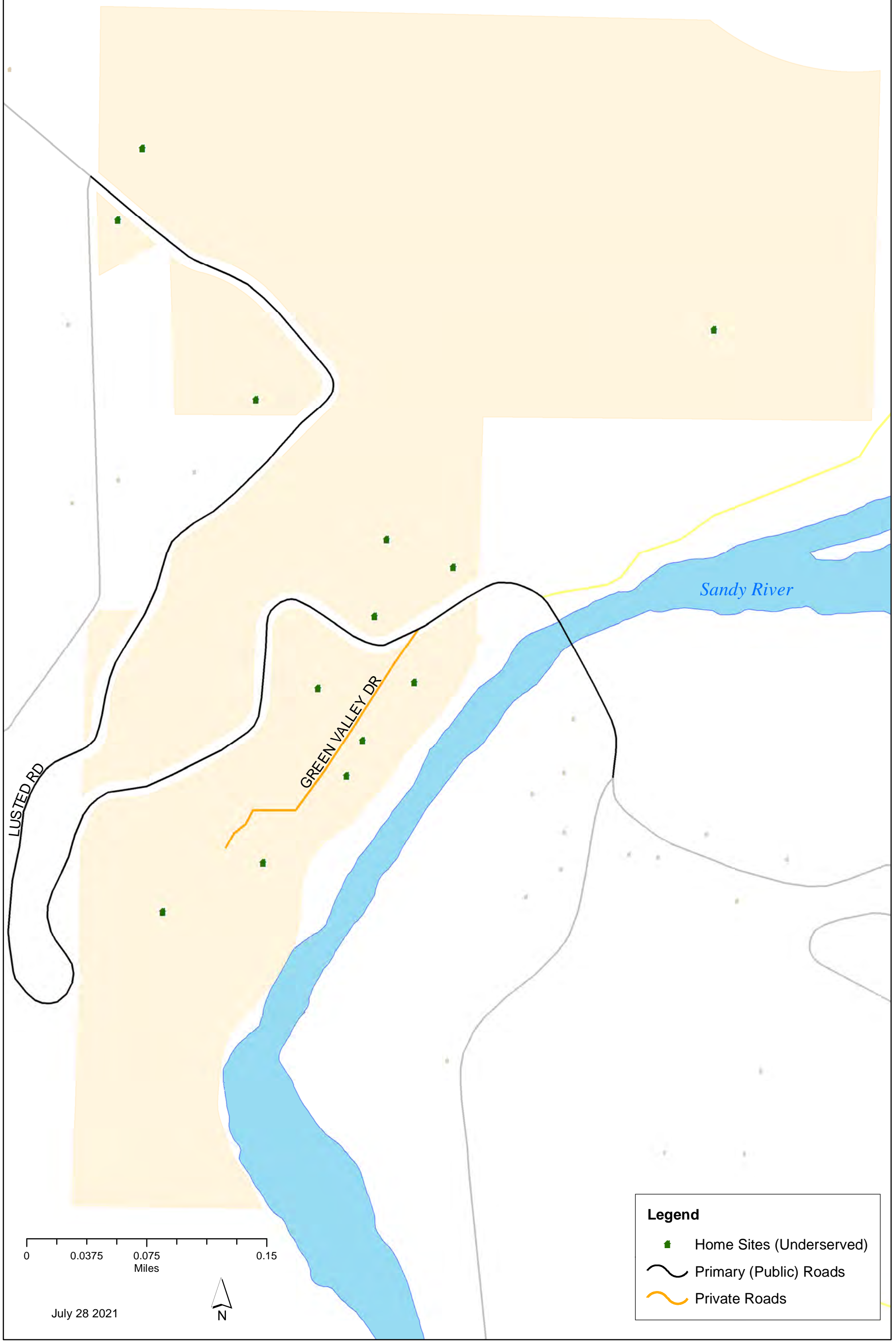
CBX New Fiber Expansion for ARPA Funding

Proj #	Project Name	Area	Households Passed	Drop Cost	ARPA	Avg cost/Home Passed
1	Lusted Rd	Sandy	9	\$45,900	\$45,909	\$5,101
2	Colorado Rd & Gunderson	Sandy	203	\$1,200,000	\$1,200,250	\$5,913
3	Government Camp	Gov Camp	412	\$650,000	\$650,412	\$1,579
4	Lolo Pass Rd	Welches	434	\$697,500	\$697,888	\$1,608
			1058		\$2,594,459	\$2,452
5	West Wilsonville	Wilsonville	68	\$1,387,200	\$1,387,268	\$20,401
6	Kiwanis, Rd 26, 28, 30, 32,34	Rhododenron	174	\$887,400	\$887,574	\$5,101
7	Marmot Rd	Sandy	1260	\$2,488,800	\$2,490,060	\$1,976
8	Southwest	Estacada	659	\$3,163,200	\$3,163,859	\$4,801
			2161		\$7,928,761	\$3,669
			3219		\$10,523,220	\$3,269

Lusted Road Timeline



Lusted Rd



Sandy River

GREEN VALLEY DR

LUSTED RD

Legend

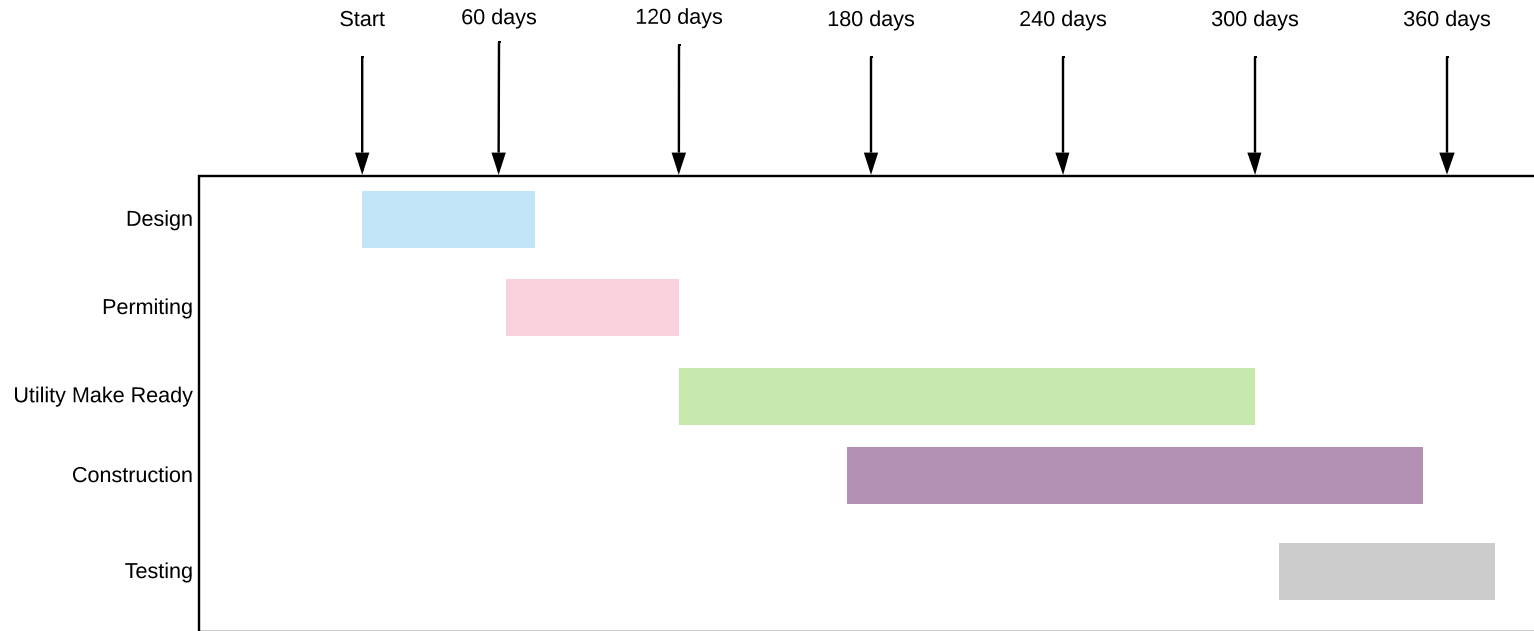
- Home Sites (Underserved)
- ~ Primary (Public) Roads
- ~ Private Roads

0 0.0375 0.075 0.15
Miles

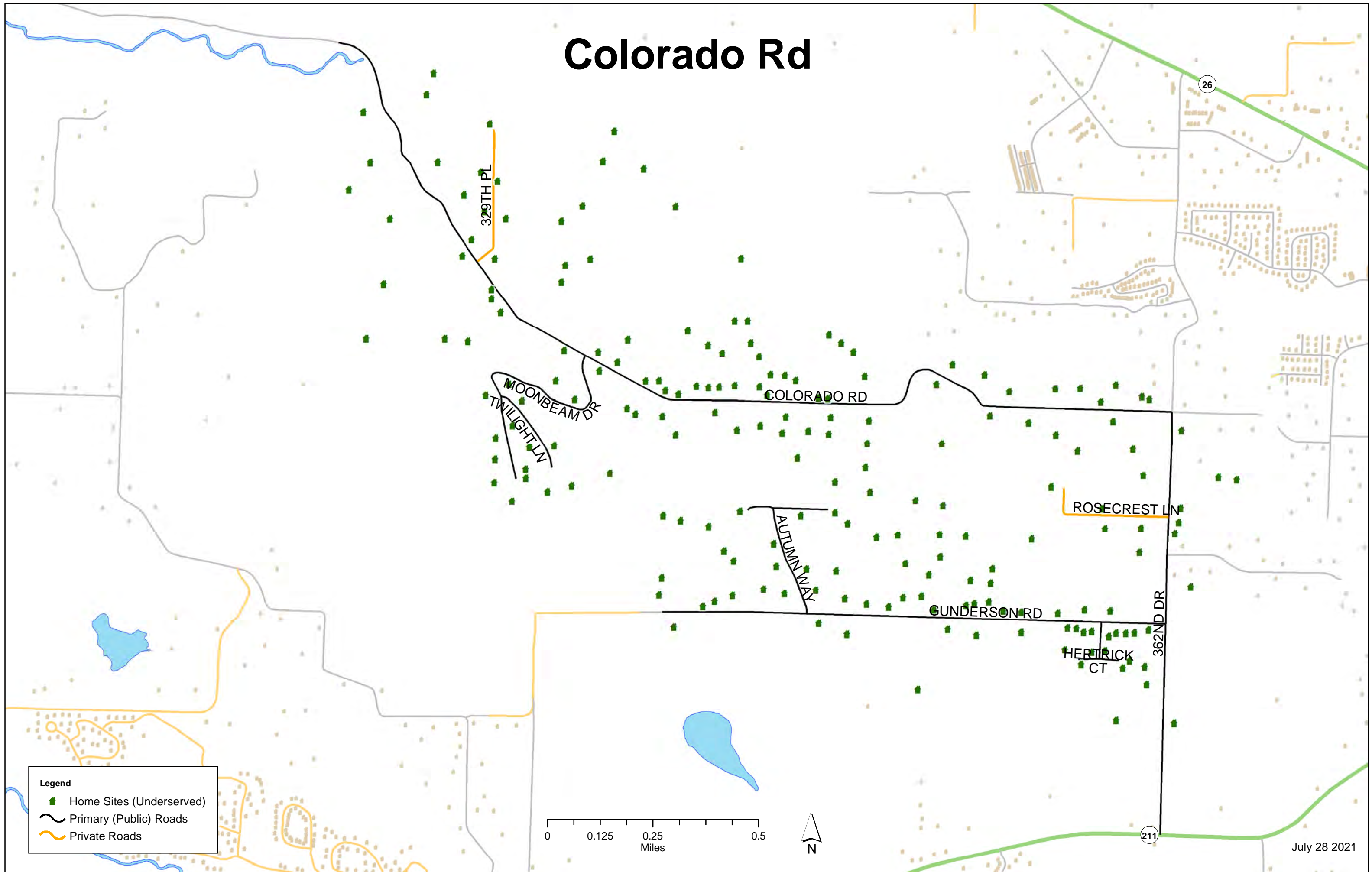


July 28 2021

Colorado Rd Timeline

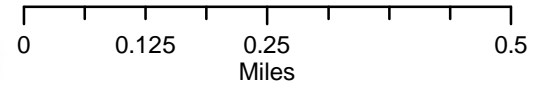


Colorado Rd

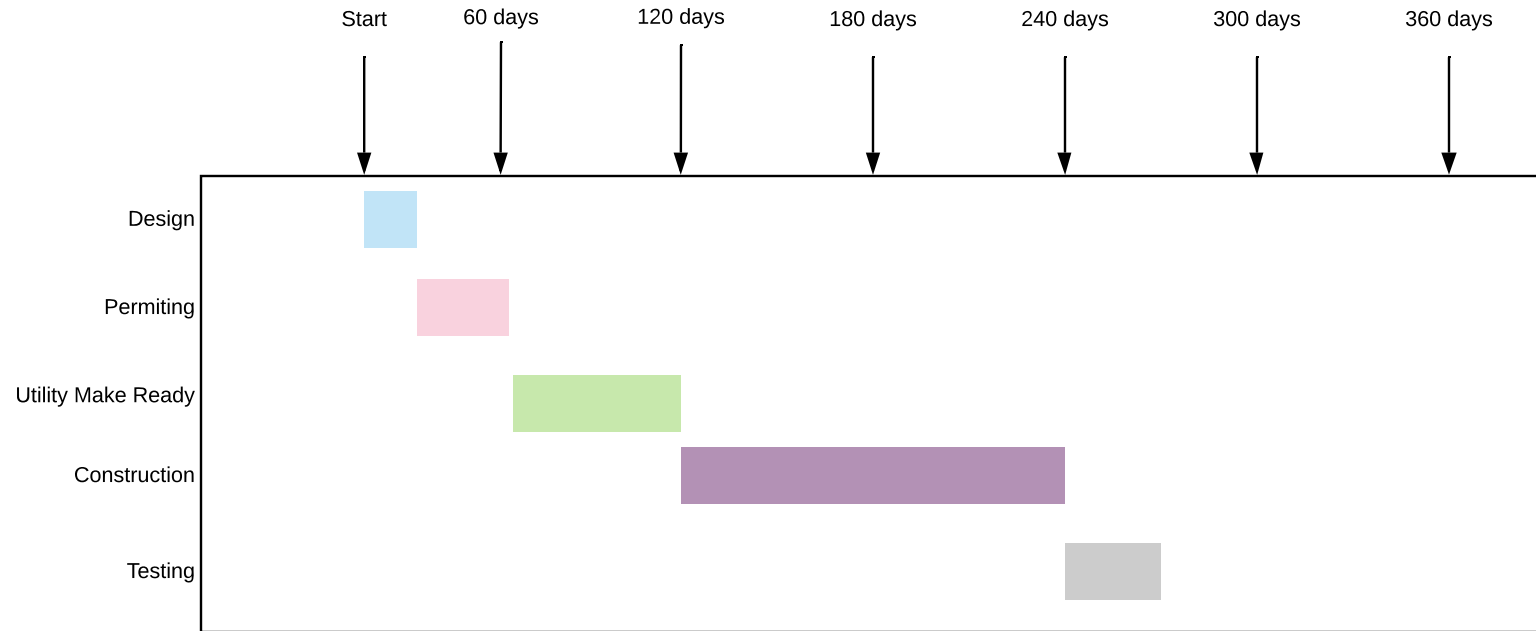


Legend

- Home Sites (Underserved)
- Primary (Public) Roads
- Private Roads

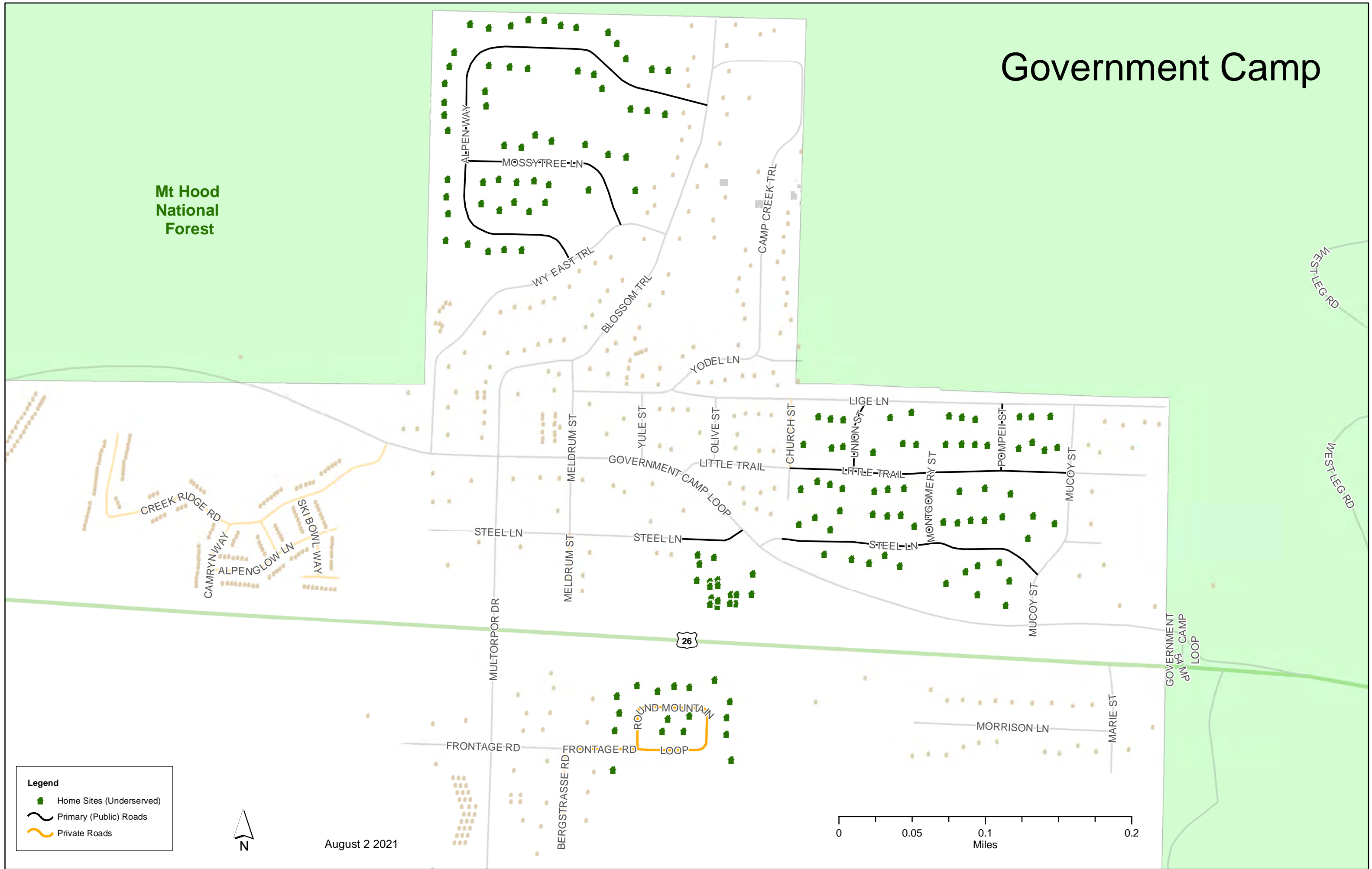


Government Camp Timeline



Government Camp

Mt Hood
National
Forest

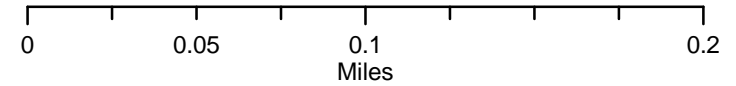


Legend

- Home Sites (Underserved)
- Primary (Public) Roads
- Private Roads



August 2 2021



WEST LEG RD

GOVERNMENT CAMP LOOP

ROUND MOUNTAIN LOOP

26

FRONTAGE RD

FRONTAGE RD

MORRISON LN

MARIE ST

MUCOY ST

STEEL LN

STEEL LN

STEEL LN

GOVERNMENT CAMP LOOP

LITTLE TRAIL

LITTLE TRAIL

YULE ST

OLIVE ST

MELDRUM ST

MELDRUM ST

LIGE LN

UNION ST

CHURCH ST

POMPEII ST

MUCOY ST

YODEL LN

BLOSSOM TRL

WY EAST TRL

MOSSY TREE LN

ALPEN WAY

CAMP CREEK TRL

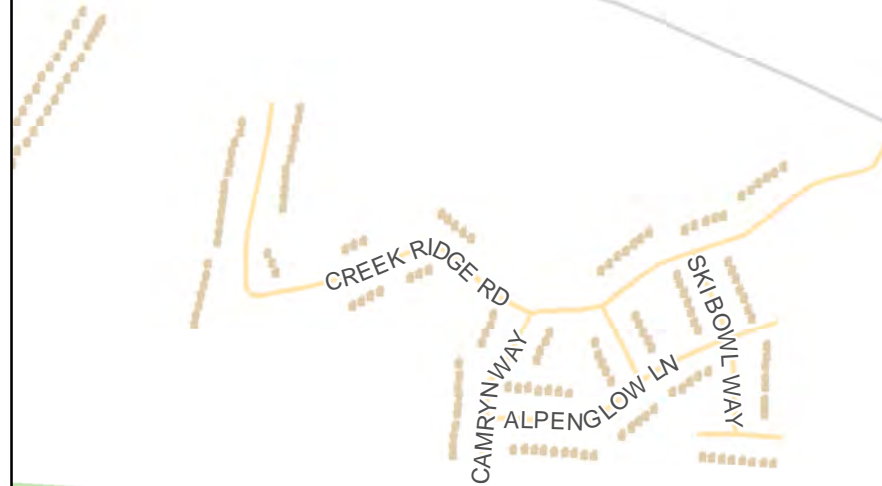
CREEK RIDGE RD

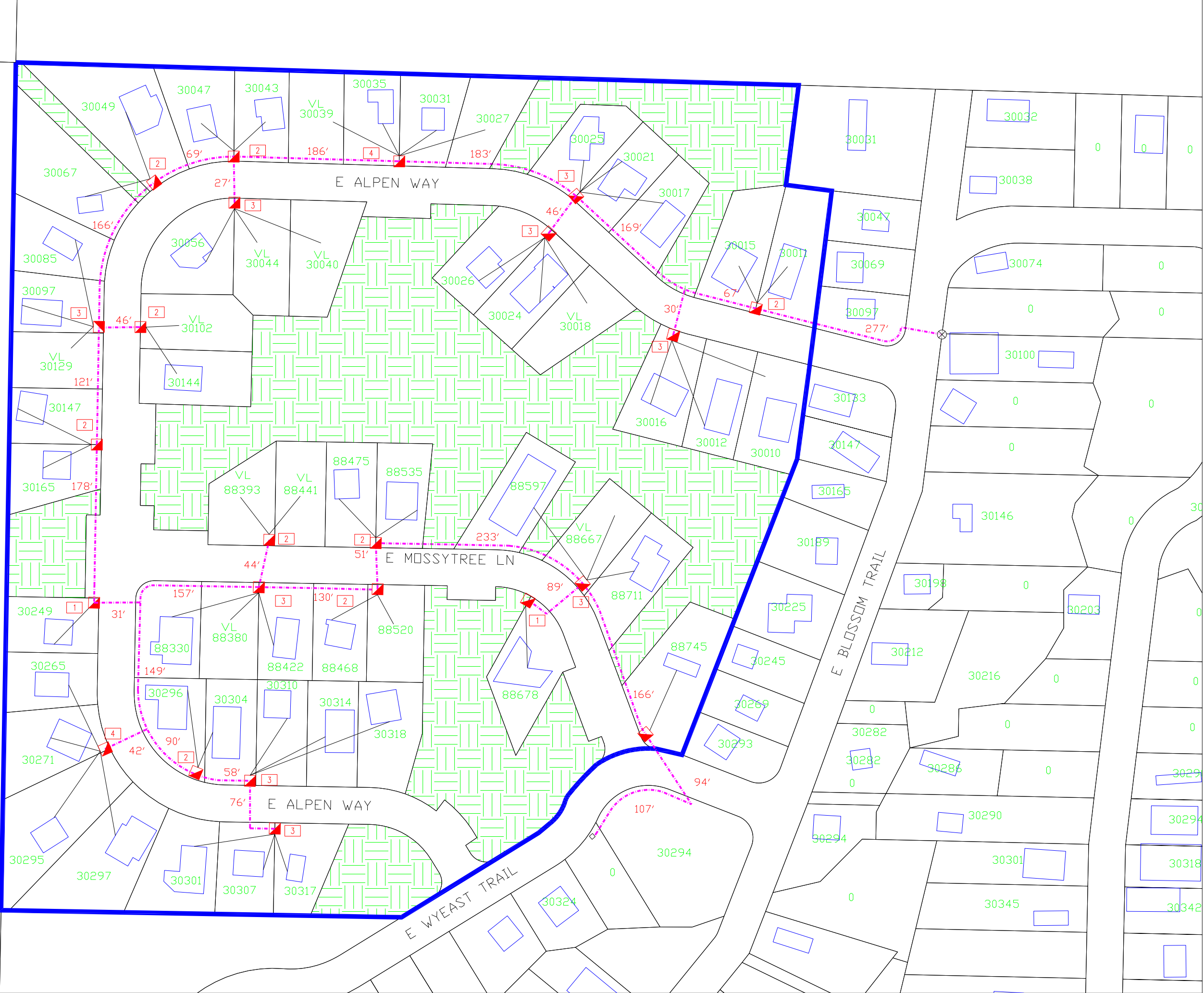
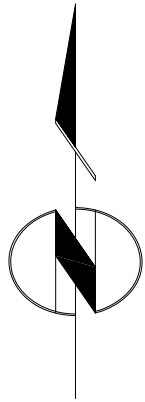
CAMRYN WAY

ALPENGLOW LN

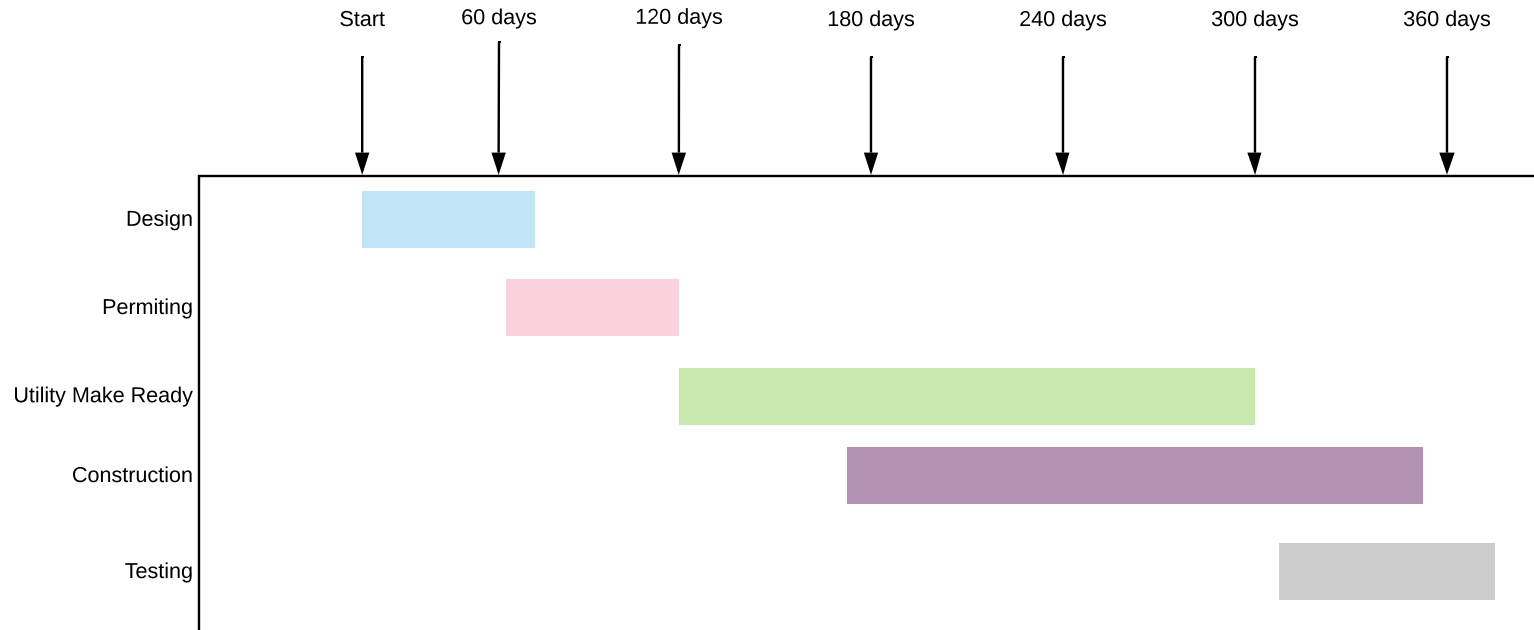
SKI BOWL WAY

BERGSTRASSE RD

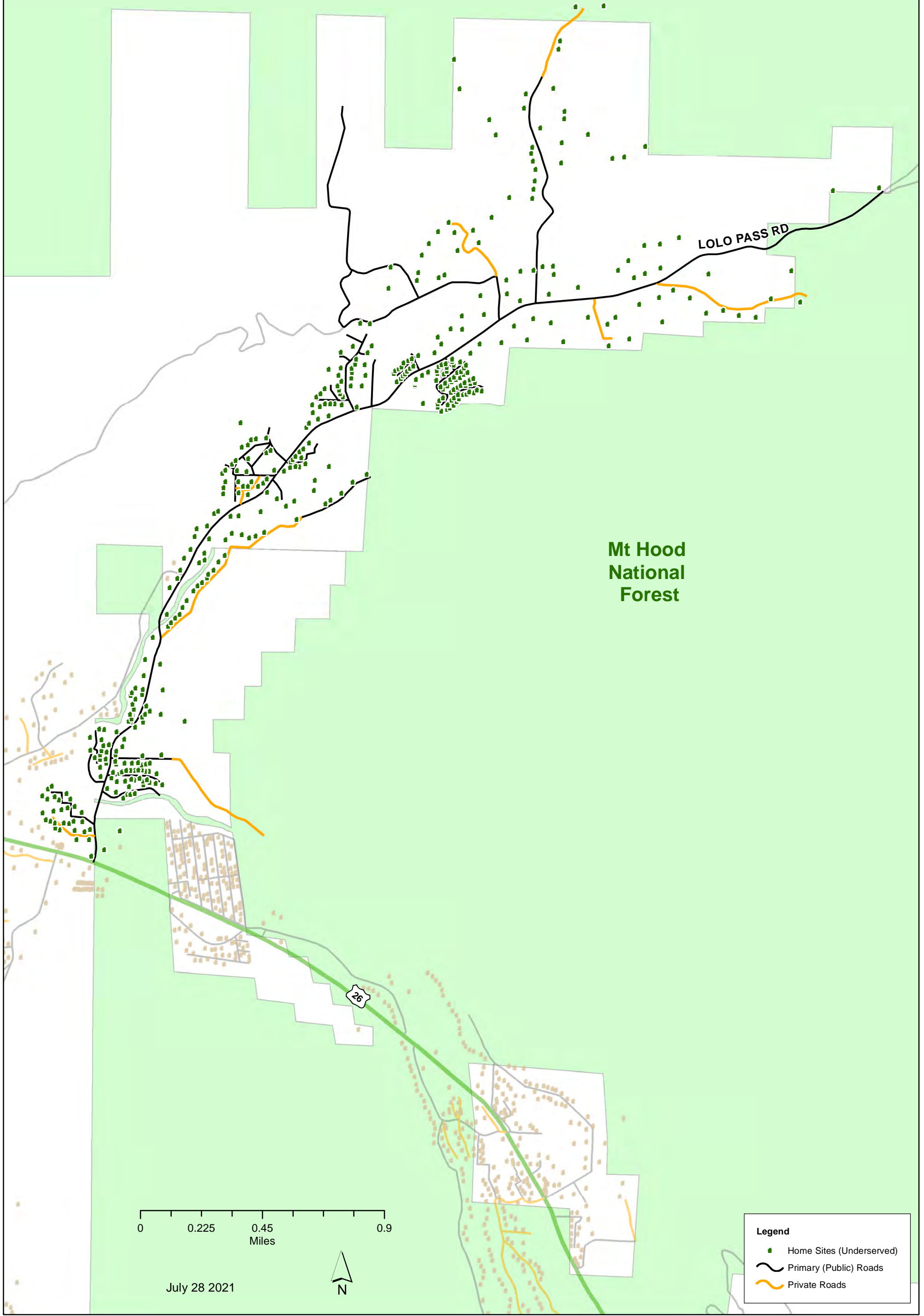




Lolo Pass Timeline



Lolo Pass Rd



Mt Hood
National
Forest

LOLO PASS RD

0 0.225 0.45 0.9
Miles

July 28 2021



Legend

- Home Sites (Underserved)
- ~ Primary (Public) Roads
- ~ Private Roads