Fabian

HEATING OIL • PROPANE

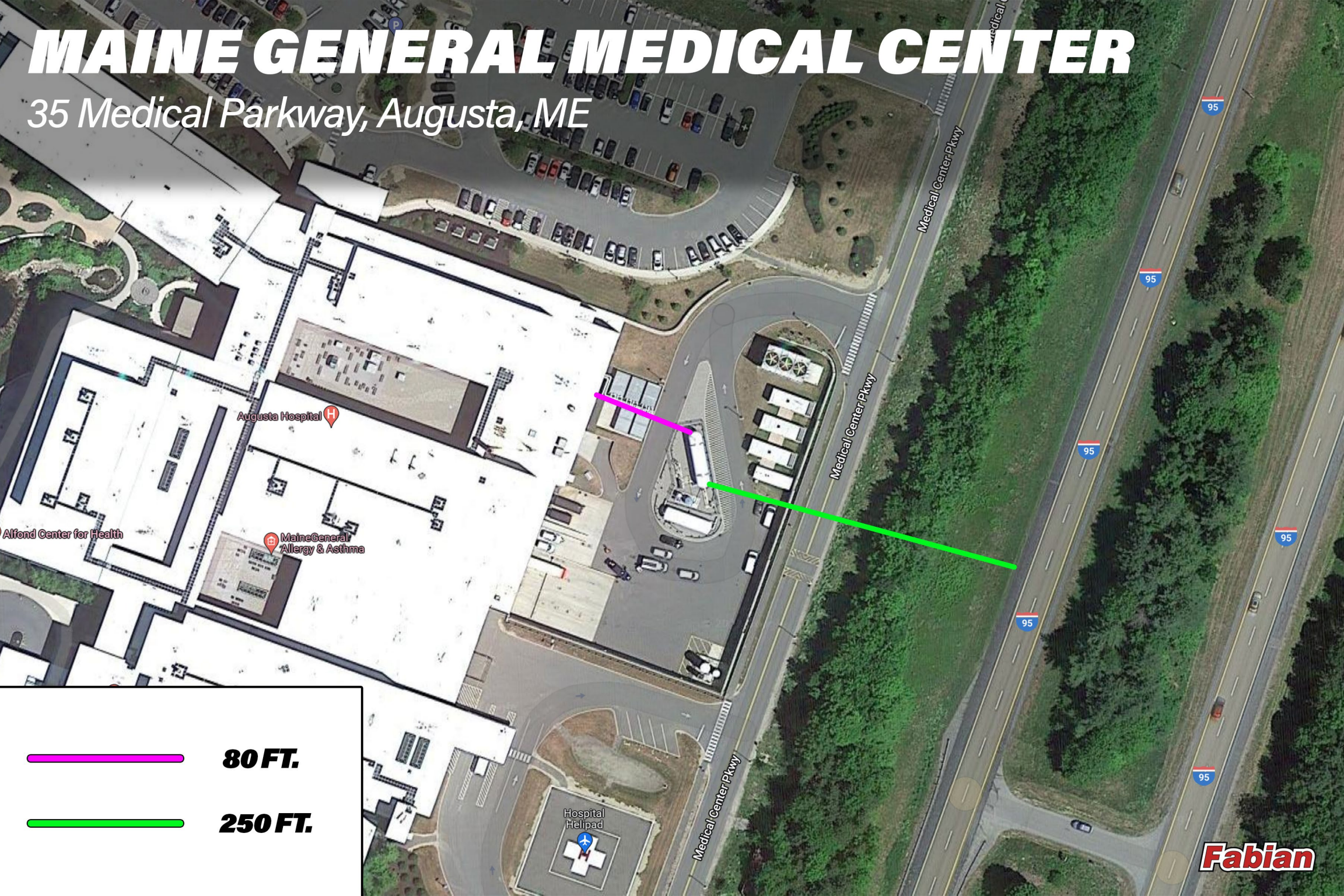
1120 Sokokis Trail, North Waterboro, ME - Propane Tank Install Proposal

Hillel Weisel - Project Manager | Hillel.weisel@fabianoil.com


*Proposed Site - Image shown is a rendering based on engineered site plan.
1120 Sokokis Trail, North Waterboro, ME 04061

MAINE GENERAL MEDICAL CENTER

35 Medical Parkway, Augusta, ME

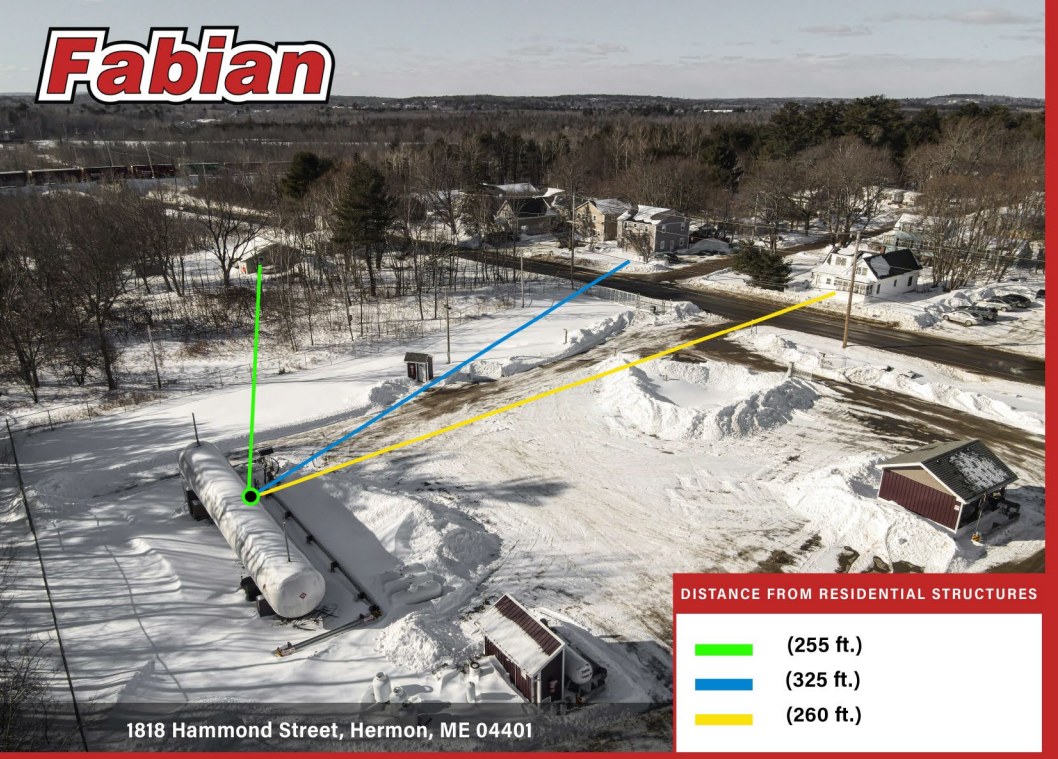


32 Jerry Street, Jay, ME 04239

1078 Kennedy Memorial Drive, Oakland, ME 04963


1818 Hammond Street, Hermon, ME 04401

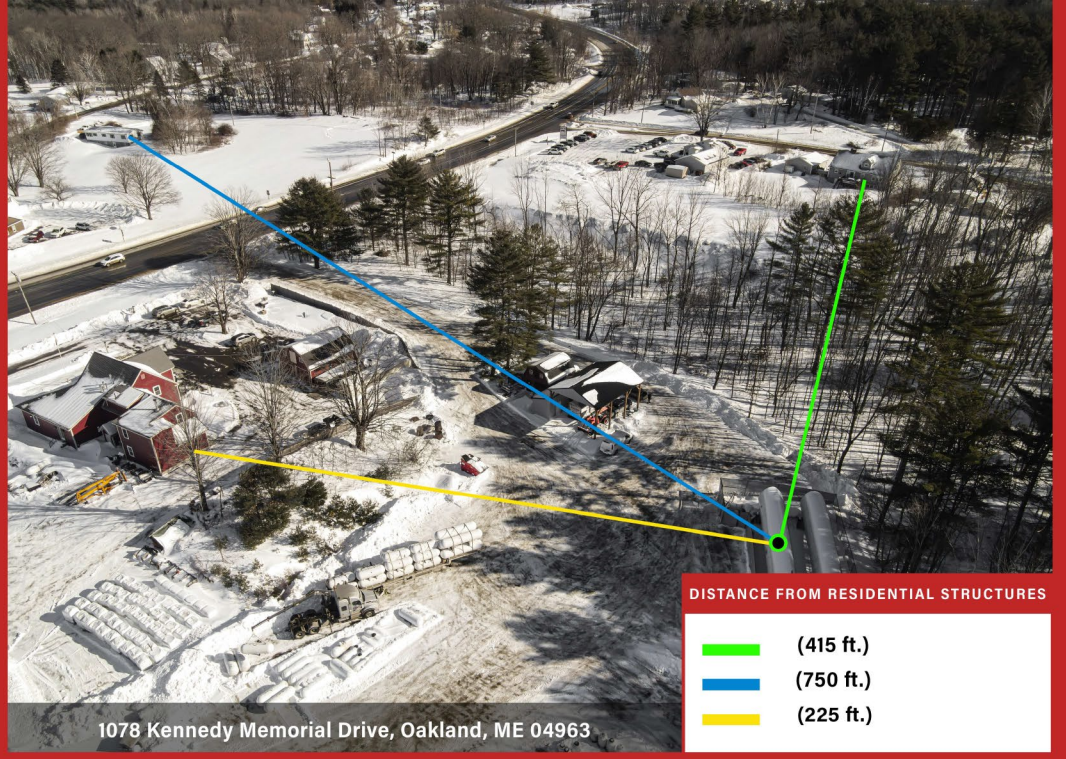
Fabian



1818 Hammond Street, Hermon, ME 04401

DISTANCE FROM RESIDENTIAL STRUCTURES

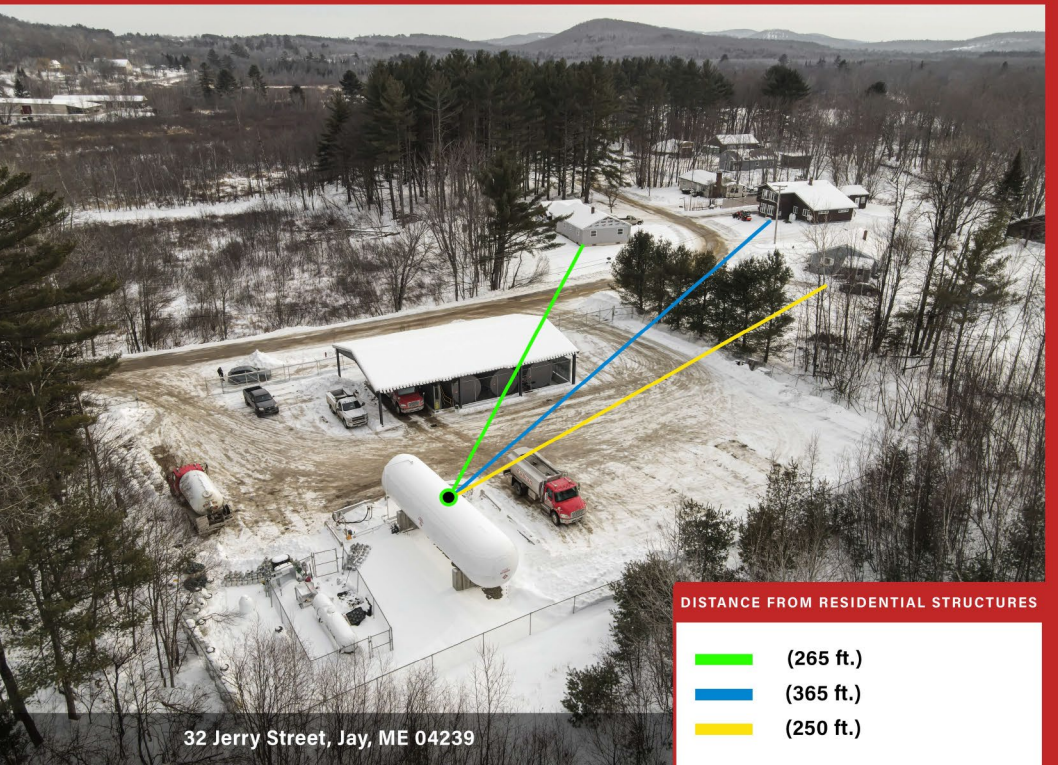
- (255 ft.)
- (325 ft.)
- (260 ft.)



1078 Kennedy Memorial Drive, Oakland, ME 04963

DISTANCE FROM RESIDENTIAL STRUCTURES

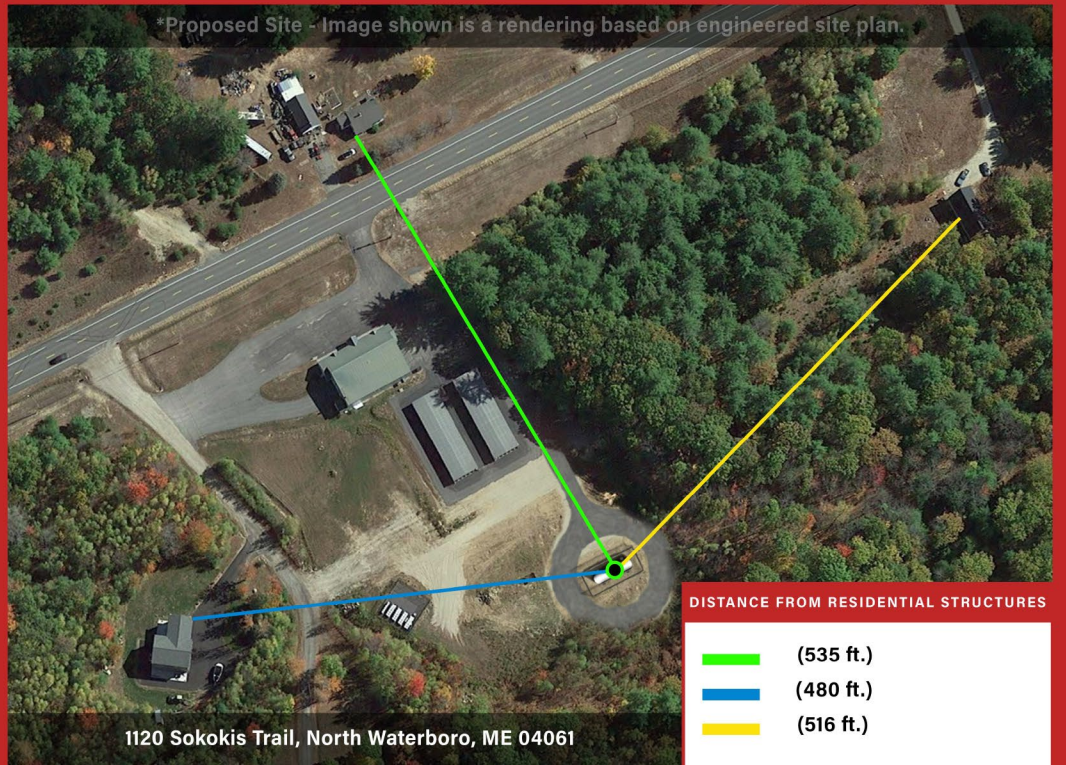
- (415 ft.)
- (750 ft.)
- (225 ft.)



32 Jerry Street, Jay, ME 04239

DISTANCE FROM RESIDENTIAL STRUCTURES

- (265 ft.)
- (365 ft.)
- (250 ft.)



*Proposed Site - Image shown is a rendering based on engineered site plan.

1120 Sokokis Trail, North Waterboro, ME 04061

DISTANCE FROM RESIDENTIAL STRUCTURES

- (535 ft.)
- (480 ft.)
- (516 ft.)

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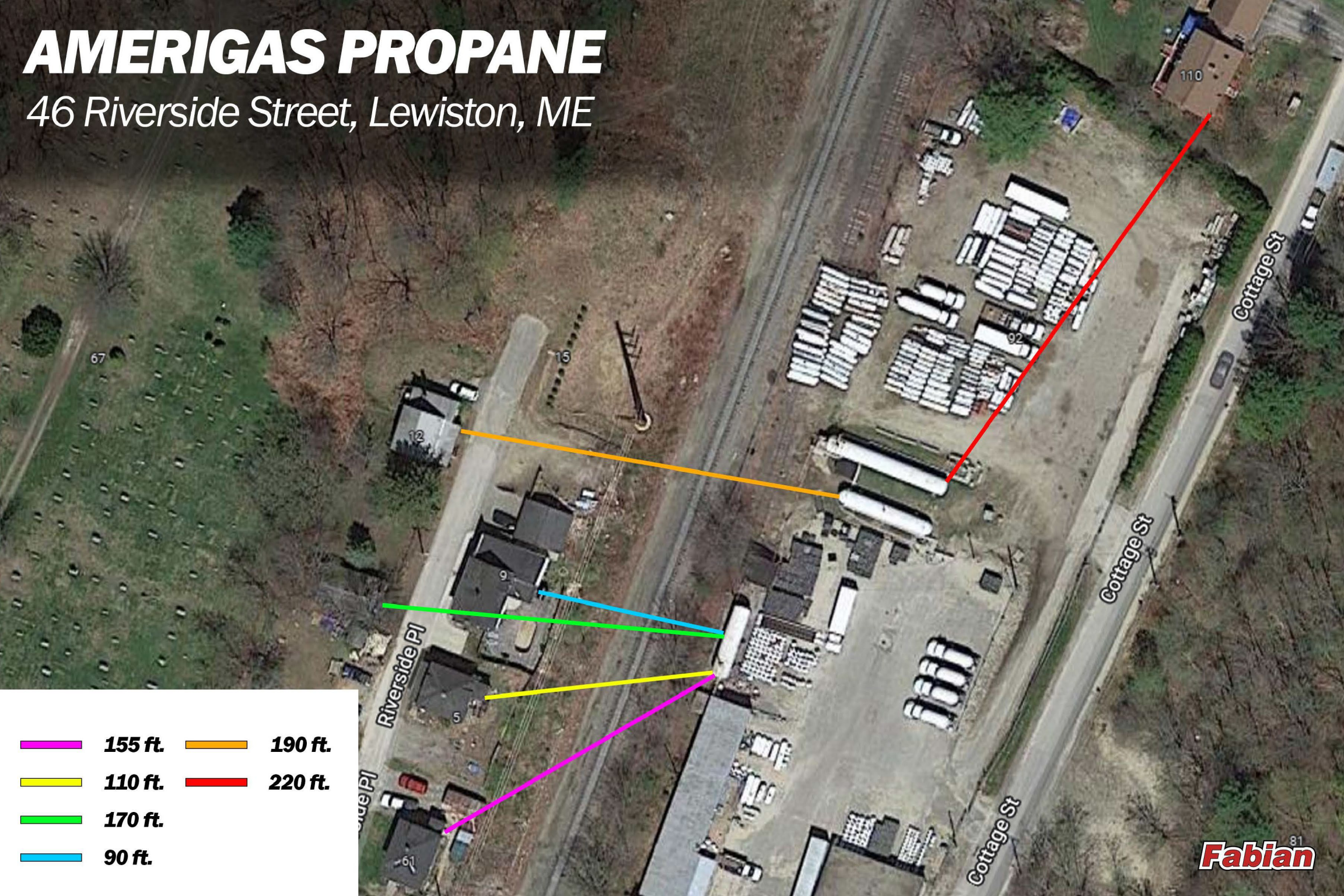
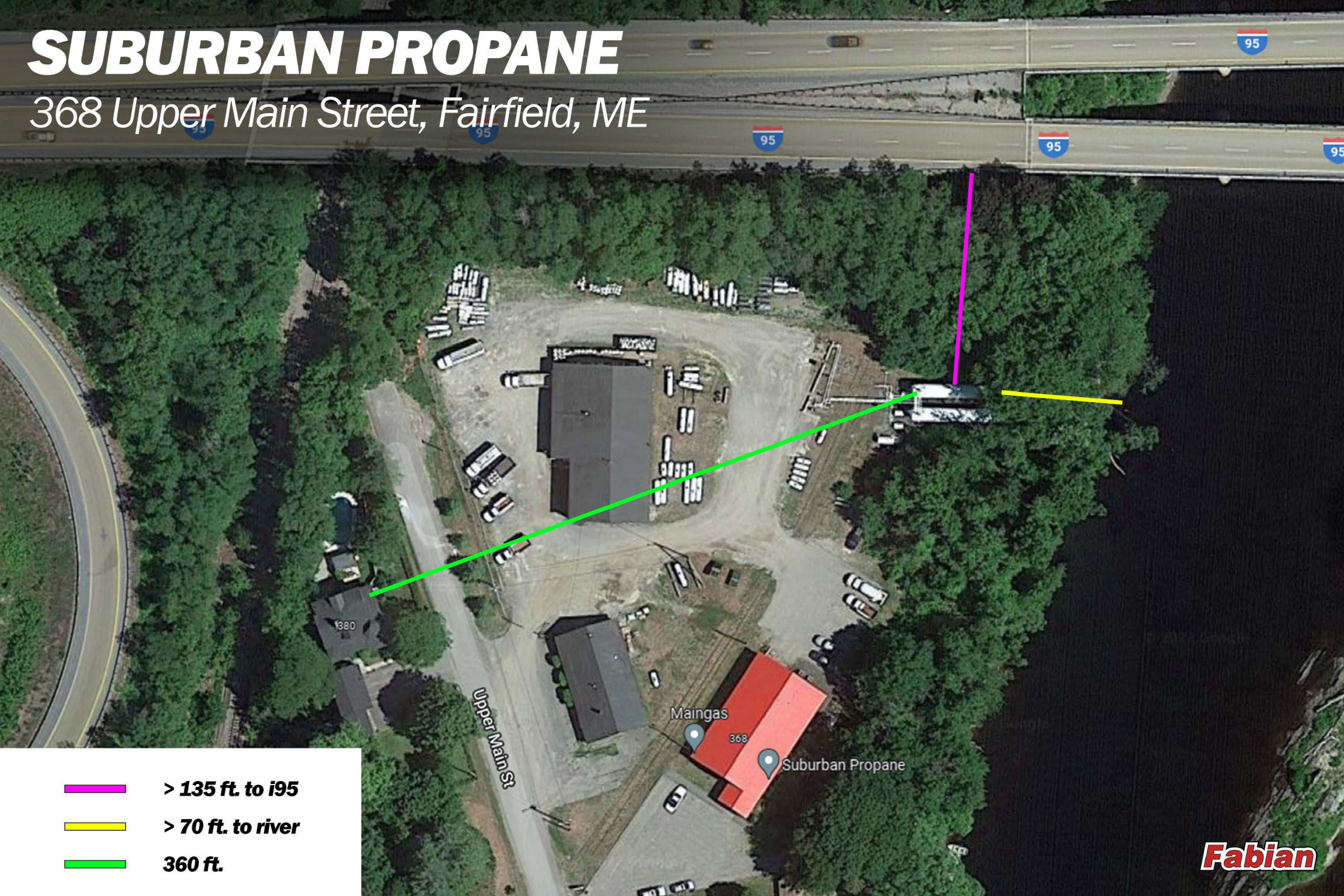
AMERIGAS PROPANE

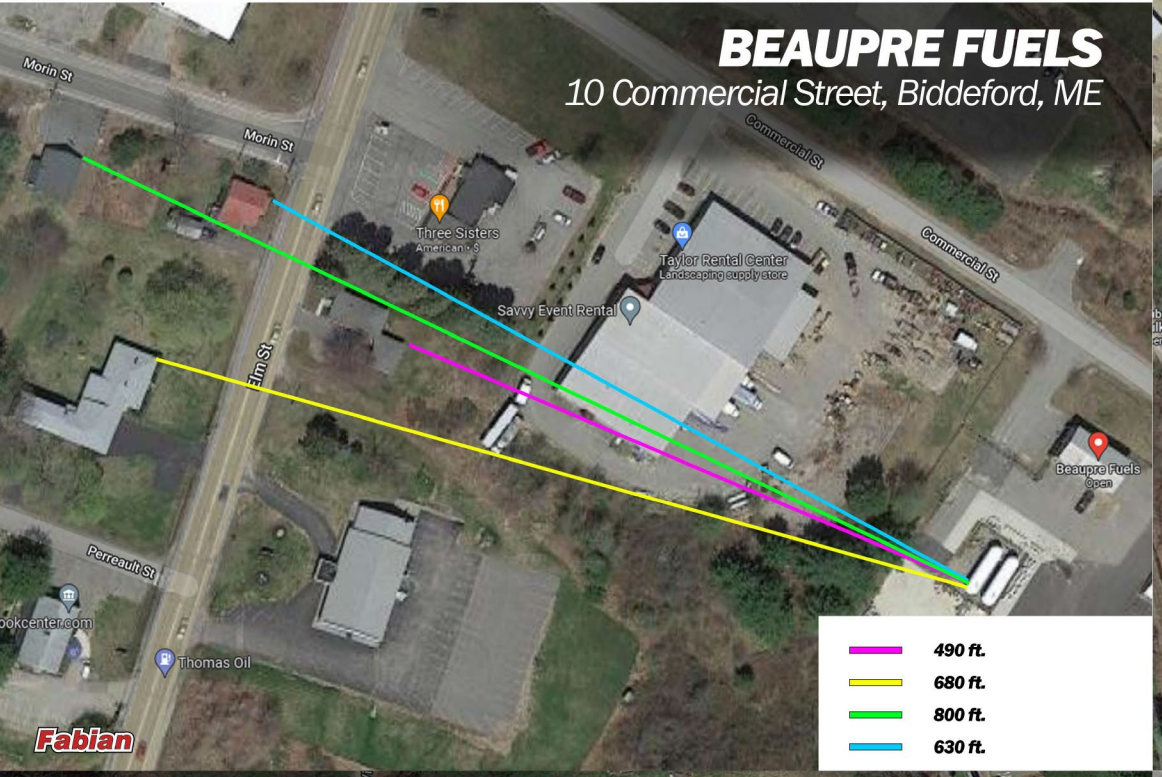
46 Riverside Street, Lewiston, ME

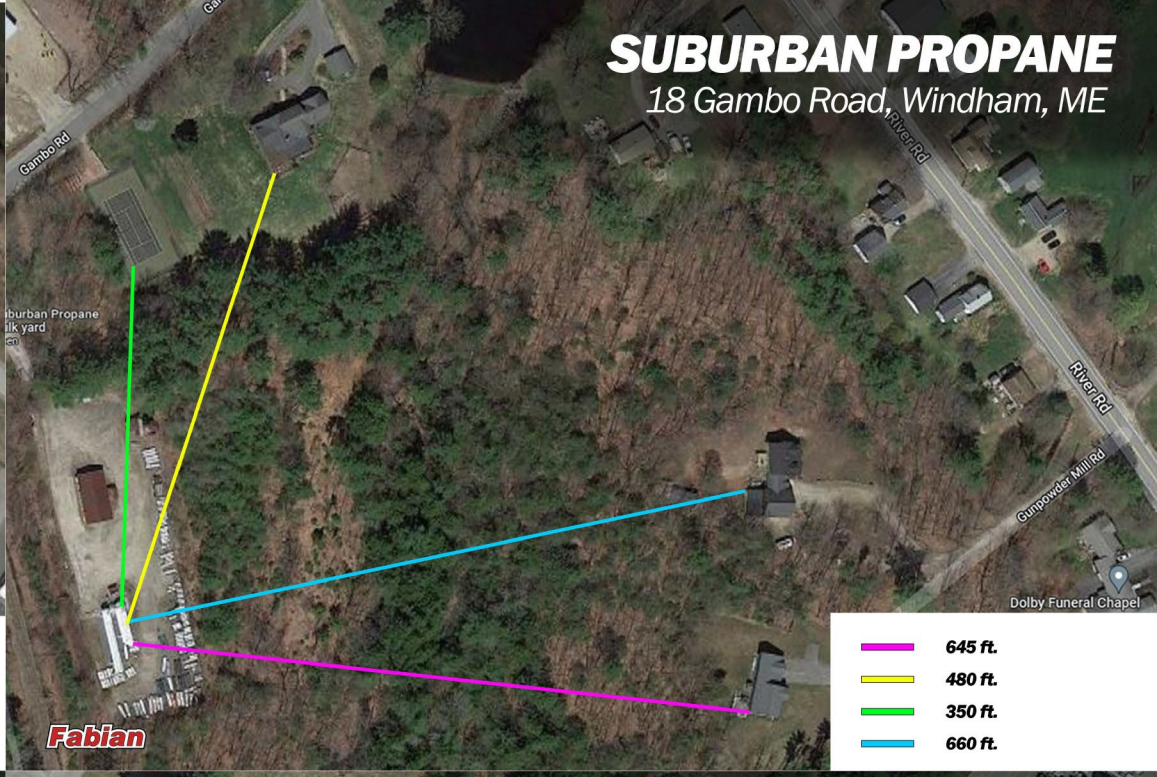


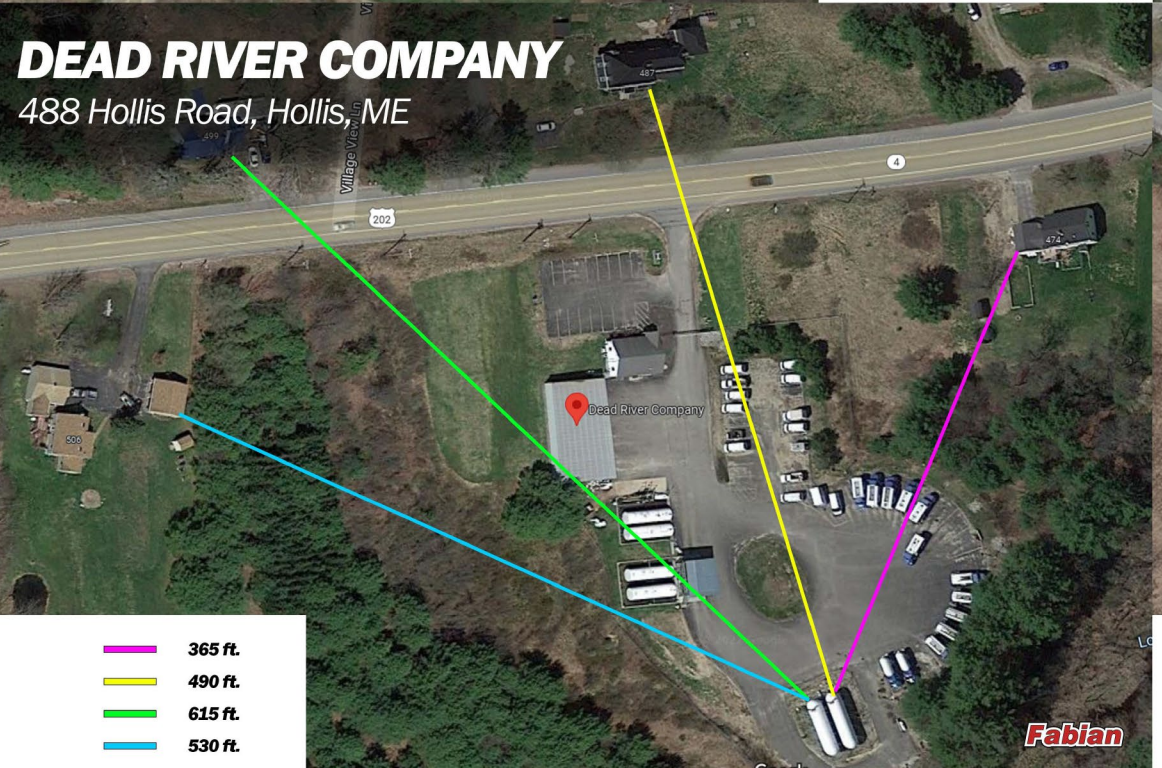
SUBURBAN PROPANE

368 Upper Main Street, Fairfield, ME




BEAUPRE FUELS
10 Commercial Street, Biddeford, ME
Morin St
Commercial St
Three Sisters
Taylor Rental Center
Landscaping supply store
Savvy Event Rental
Beaupre Fuels
Open
Perreault St
Thomas Oil
490 ft.
680 ft.
800 ft.
630 ft.
Fabian


SUBURBAN PROPANE
18 Gambo Road, Windham, ME
Gambo Rd
River Rd
Gunpowder Mill Rd
Dolby Funeral Chapel
645 ft.
480 ft.
350 ft.
660 ft.
Fabian


DEAD RIVER COMPANY
488 Hollis Road, Hollis, ME
Dead River Company
365 ft.
490 ft.
615 ft.
530 ft.
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CROWLEY ENERGY
51 Greenwood Road, Brunswick, ME
Greenwood Rd
Crowley Energy
Open
245 ft.
400 ft.
450 ft.
465 ft.
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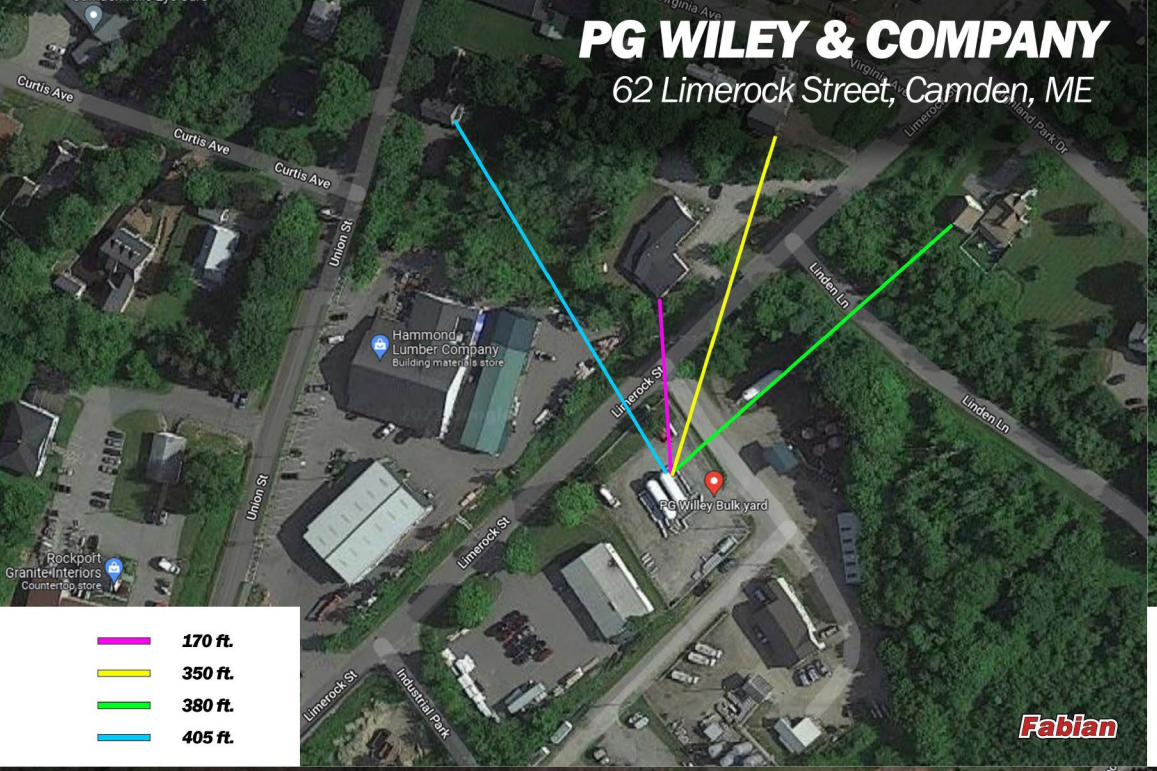
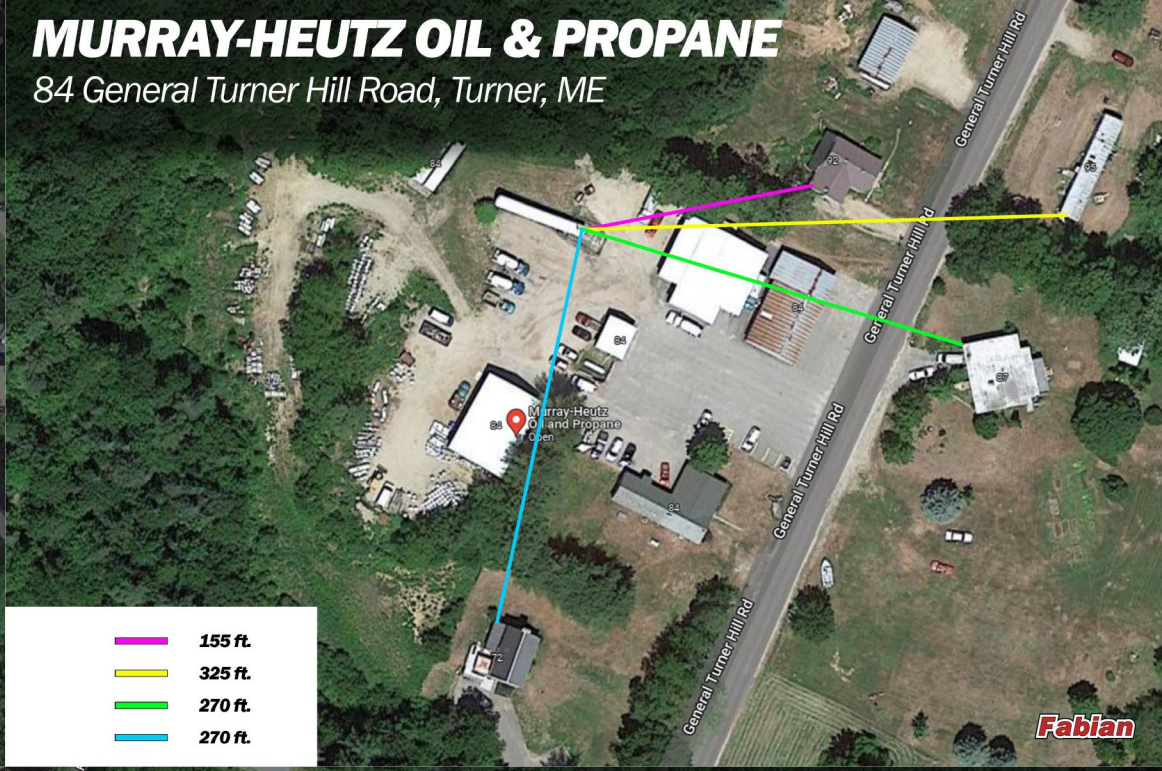
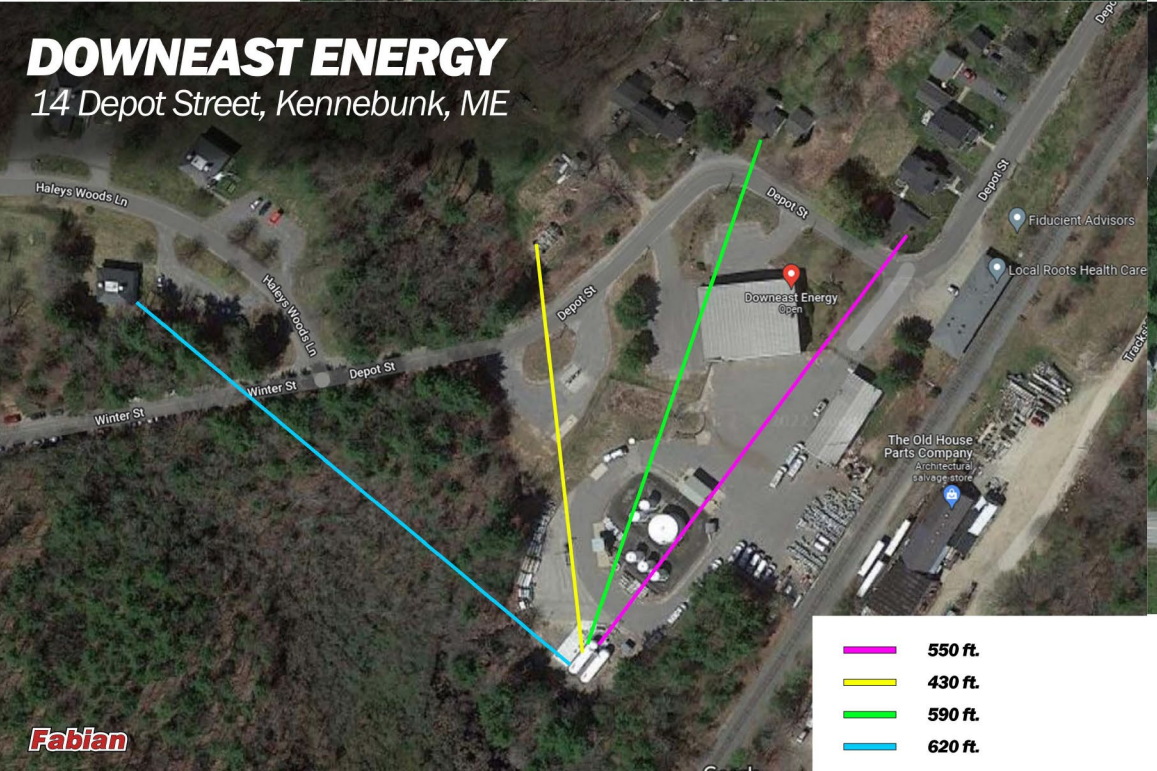
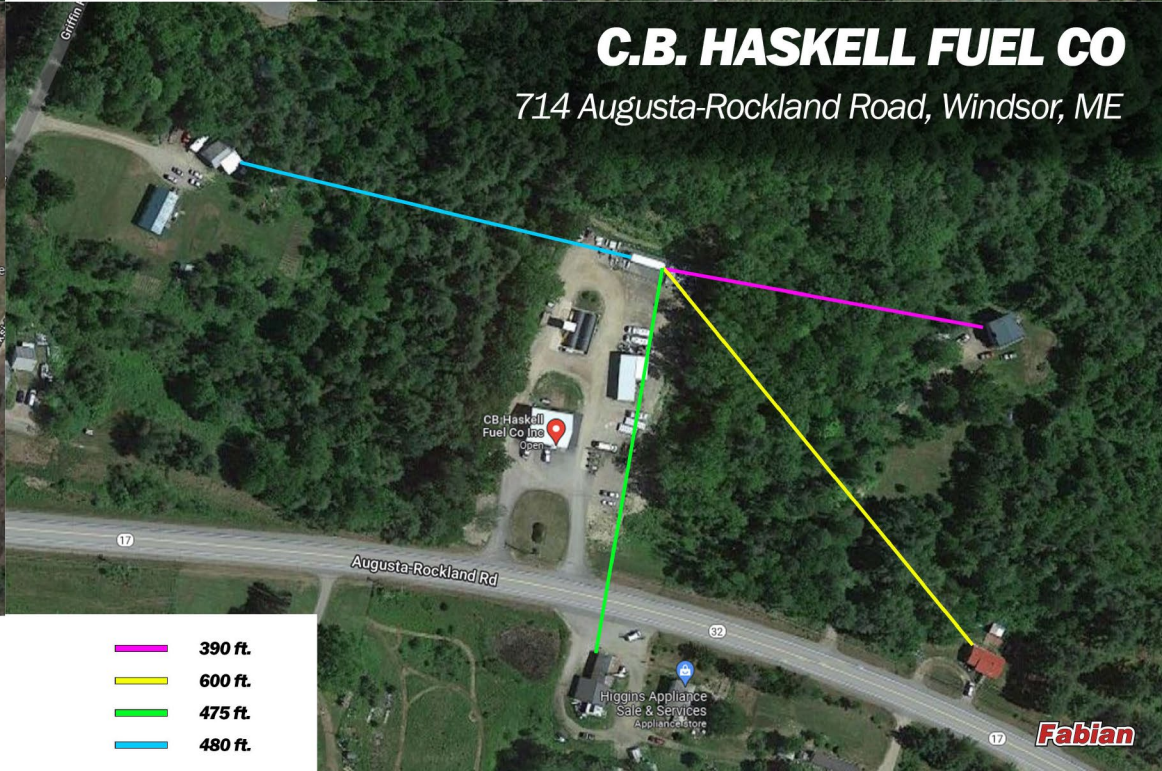

PG WILEY & COMPANY
62 Limerock Street, Camden, ME
Curtis Ave
Union St
Limerock St
Linden Ln
Hammond Lumber Company
Building materials store
PG Willey Bulk yard
Rockport Granite Interiors
Countertop store
Industrial Park
170 ft.
350 ft.
380 ft.
405 ft.
Fabian


MURRAY-HEUTZ OIL & PROPANE
84 General Turner Hill Road, Turner, ME
General Turner Hill Rd
Murray-Heutz Oil and Propane
Open
155 ft.
325 ft.
270 ft.
270 ft.
Fabian


DOWNEAST ENERGY
14 Depot Street, Kennebunk, ME
Haleys Woods Ln
Depot St
Winter St
Fiducient Advisors
Local Roots Health Care
Downeast Energy
Open
The Old House Parts Company
Architectural salvage store
550 ft.
430 ft.
590 ft.
620 ft.
Fabian


C.B. HASKELL FUEL CO
714 Augusta-Rockland Road, Windsor, ME
Augusta-Rockland Rd
CB Haskell Fuel Co Inc
Open
Higgins Appliance Sale & Services
Appliance store
390 ft.
600 ft.
475 ft.
480 ft.
Fabian

Propane Fuel Basics

Also known as liquefied petroleum gas (LPG) or propane autogas, propane is a clean-burning alternative fuel that's been used for decades to power light-, medium-, and heavy-duty propane vehicles.

Propane is a three-carbon alkane gas (C H). It is stored under pressure inside a tank as a colorless, odorless liquid. As pressure is released, the liquid propane vaporizes and turns into gas that is used in combustion. An odorant, ethyl mercaptan, is added for leak detection.

Propane has a high octane rating, making it an excellent choice for spark-ignited internal combustion engines. If spilled or released from a vehicle, it presents no threat to soil, surface water, or groundwater. Propane is produced as a by-product of natural gas processing and crude oil refining. It accounts for about 2% of the energy used in the United States. Of that, less than 3% is used for transportation. Its main uses include home and water heating, cooking and refrigerating food, clothes drying, and powering farm and industrial equipment. The chemical industry also uses propane as a raw material for making plastics and other compounds.

Propane as an Alternative Fuel

Interest in propane as an alternative transportation fuel stems from its domestic availability, high-energy density, clean-burning qualities, and relatively low cost. It is the world's third most common transportation fuel, behind gasoline and diesel, and is considered an alternative fuel under the Energy Policy Act of 1992.

Propane used in vehicles is specified as HD-5 propane and is a mixture of propane with smaller amounts of other gases. According to the Gas Processors Association's HD-5 specification for propane, it must consist of at least 90% propane, no more than 5% propylene, and 5% other gases, primarily butane and butylene.

For vehicle fueling, the quick-release "Type K15" dispenser connector is required to be installed on all new vehicles beginning January 1, 2020, per National Fire Protection Association Code 58. This connector allows for one-handed fueling and does not require the use of personal protective equipment such as gloves and face shield (which are required for the older style connector).

Propane is stored onboard a vehicle in a tank pressurized to about 150 pounds per square inch—about twice the pressure of an inflated truck tire. Under this pressure, propane becomes a liquid with an energy density 270 times greater than its gaseous form. Propane has a higher octane rating than gasoline, so it can be used with higher engine compression ratios and is more resistant to engine knocking. However, it has a lower British thermal unit rating than gasoline, so it takes more fuel by volume to drive the same distance. To find the fuel, see propane fueling station locations (propane_locations.html). For retail fuel prices, see the Alternative Fuel Price Report.

United States
Environmental Protection
Agency

Transportation and Air Quality
Transportation and Regional
Programs Division

EPA420-F-00-039
March 2002
www.epa.gov

SUCESS STORY

With 4,400 propane powered vehicles in its on road fleet, the Texas Department of Transportation (TxDOT) is a leader in the use of alternative fuel vehicles.

Driven in part by a Texas Law mandating that all state agencies purchase alternative fuel vehicles, the department has been using propane powered vehicles since 1992. Today, these vehicles, along with 1,000 vehicles powered by natural gas, comprise more than half of the department's total on-road fleet. Propane vehicles are also popular in Texas because propane is less expensive than gasoline and is manufactured in the state.

For more information, contact Don Lewis of Texas TxDOT at (512) 416-2085

Clean Alternative Fuels:

Propane

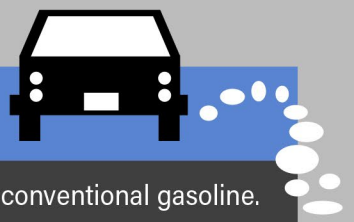
One in a series of fact sheets

More than 60 million Americans use propane gas for every thing from heating and cooling their homes and businesses to powering their barbecue grills. Propane is also used to fuel more than 350,000 vehicles on our roads today, from taxicabs and school buses to police cars. In fact, with more than 5,000 fueling station nationwide, propane is the most widely used alternative fuel used to date.

Propane (otherwise known as Liqufied Petroleum Gas or LPG) is a byproduct of natural gas processing and petroleum refining. In its natural state, propane is a colorless, nontoxic gas -- at least 90 percent propane, 2.5 percent butane and higher hydrocarbons, and the balance ethane and propylene. An odorant is added to the gas so it can be detected for safety reasons. Under moderate pressure, propane gas turns into a liquid mixture, making it easier to transport and store in vehicle fuel tanks. Compared with gasoline, propane can lower carbon dioxide, carbon monoxide, and other toxic emissions.

AVAILABILITY

Propane has been used as a transportation fuel since the 1940s. Today, auto manufacturers offer a variety of light and medium duty propane powered vehicles, primarily used by vehicles fleets. Many of these vehicles have two seperate fuel systems, allowing the vehicles to run on either propane or gasoline. Other automobiles can b converted from gasoline to dual fuel (i.e., propane and gasoline) for between $1,000 and $2,000. Conversion typically includes adding a special fuel tank to the vehicle's trunk.

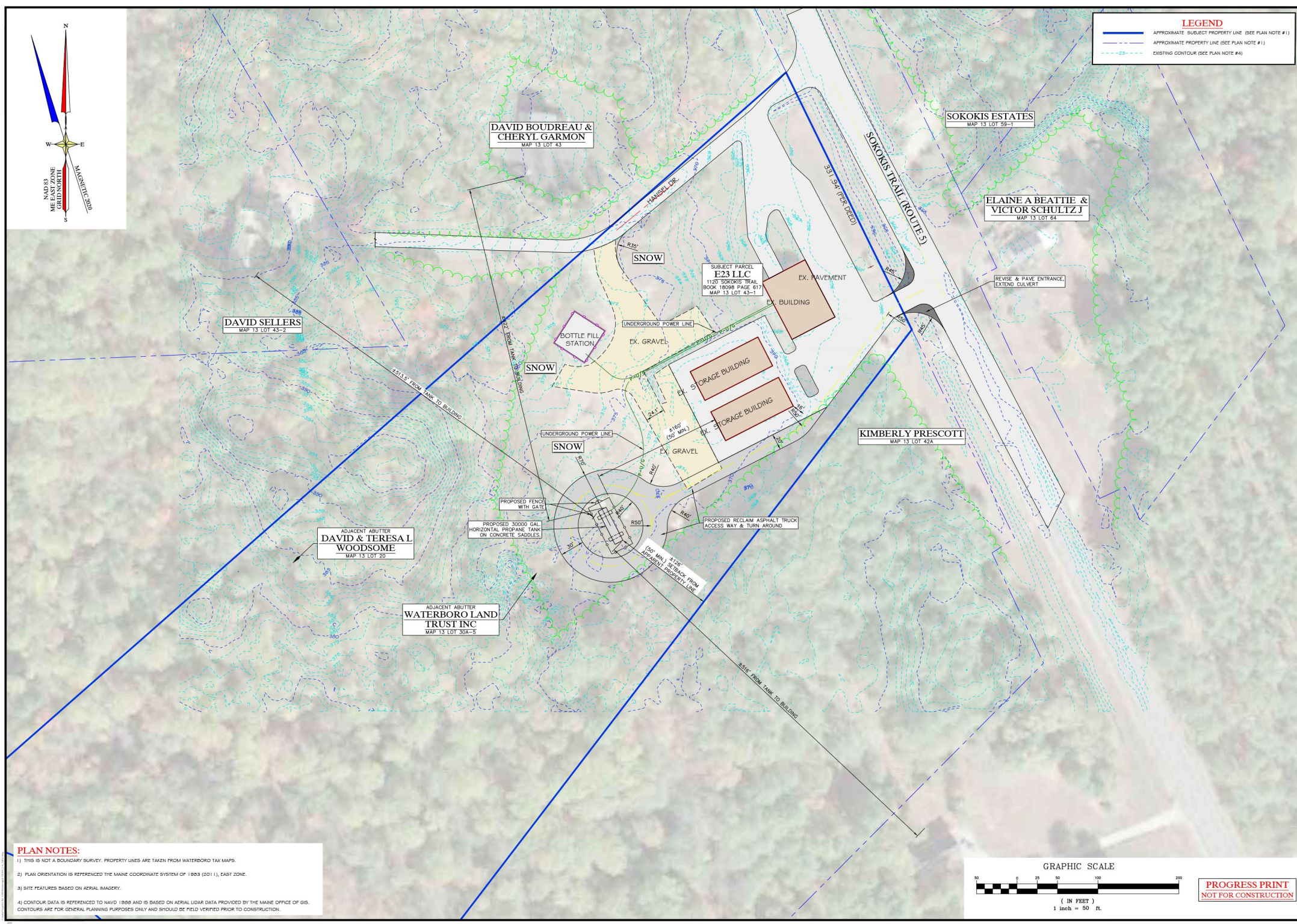


EMISSIONS CHARACTERISTICS*

Actual emissions will vary with engine design; these numbers reflect the potential reductions offered by propane, relative to conventional gasoline.

- Potentially lower toxic, carbon dioxide (CO2), carbon monoxide (CO), and nonmethane hydrocarbon (NMHC) emissions.
- Rich calibration shows high NMHC and CO emissions, but lower nitrogen oxide (NOx) emissions.
- Lean calibration show slightly higher NOx emissions, but lower CO and NHMC emissions.

Estimates based on propane's inherently "cleaner" chemical properties with an engine that takes full advantage of these fuel properties.


N
W
E
S
NAD 83
ME EAST ZONE
GRID NORTH
MAGNETIC 2020
LEGEND
APPROXIMATE SUBJECT PROPERTY LINE (SEE PLAN NOTE #1)
APPROXIMATE PROPERTY LINE (SEE PLAN NOTE #1)
23 EXISTING CONTOUR (SEE PLAN NOTE #4)
DAVID BOUDREAU & CHERYL GARMON
MAP 13 LOT 43
SOKOKIS ESTATES
MAP 13 LOT 59-1
ELAINE A BEATTIE & VICTOR SCHULTZ J
MAP 13 LOT 64
KIMBERLY PRESCOTT
MAP 13 LOT 42A
DAVID SELLERS
MAP 13 LOT 43-2
ADJACENT ABUTTER
DAVID & TERESA L WOODSOME
MAP 13 LOT 20
ADJACENT ABUTTER
WATERBORO LAND TRUST INC
MAP 13 LOT 30A-5
HANSEL DR.
SOKOKIS TRAIL (ROUTE 5)
331.94' (PER DEED)
SUBJECT PARCEL
E23 LLC
1120 SOKOKIS TRAIL
BOOK 18098 PAGE 617
MAP 13 LOT 43-1
EX. PAVEMENT
EX. BUILDING
EX. STORAGE BUILDING
EX. STORAGE BUILDING
EX. GRAVEL
EX. GRAVEL
BOTTLE FILL STATION
UNDERGROUND POWER LINE
UNDERGROUND POWER LINE
SNOW
SNOW
SNOW
REVISE & PAVE ENTRANCE, EXTEND CULVERT
PROPOSED FENCE WITH GATE
PROPOSED 30000 GAL. HORIZONTAL PROPANE TANK ON CONCRETE SADDLES.
PROPOSED RECLAIM ASPHALT TRUCK ACCESS WAY & TURN AROUND
50' MIN.) 412± SETBACK FROM ADJACENT PROPERTY LINE
±513.5' FROM TANK TO BUILDING
±372' FROM TANK TO BUILDING
±316' FROM TANK TO BUILDING
160' (50' MIN.)
R35'
R40'
R50'
R70'
24.1'
30'
20'
PLAN NOTES:
1) THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES ARE TAKEN FROM WATERBORO TAX MAPS.
2) PLAN ORIENTATION IS REFERENCED THE MAINE COORDINATE SYSTEM OF 1983 (2011), EAST ZONE.
3) SITE FEATURES BASED ON AERIAL IMAGERY.
4) CONTOUR DATA IS REFERENCED TO NAVD 1988 AND IS BASED ON AERIAL LIDAR DATA PROVIDED BY THE MAINE OFFICE OF GIS. CONTOURS ARE FOR GENERAL PLANNING PURPOSES ONLY AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.
DATE
REVISIONS
NO.
SHEET TITLE: SITE SKETCH PLAN
SCALE: 1"=50'
DRAWN BY: AGP/LF/JAM
CHECKED BY: WTL
DATE: JANUARY 28, 2022
CLIENT/PROJECT: FABIAN OIL
LOCATION: 1120 SOKOKIS TRAIL
TOWN: WATERBORO COUNTY: YORK STATE: MAINE
Gartley & Dorsky ENGINEERING SURVEYING
59 Union Street, Unit 1, P.O. Box 1031 Camden, ME 04843-1031
Ph. (207) 236-4365 Fax (207) 236-3055 Toll Free: 1-888-262-4365
165 Main Street Suite 2D P.O. Box 1072 Damariscotta, Maine 04543
Ph. (207) 790-5005
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