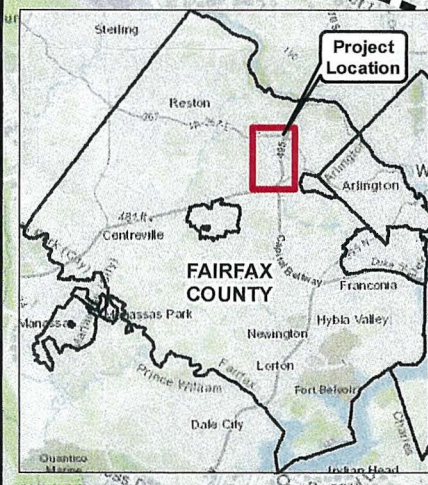
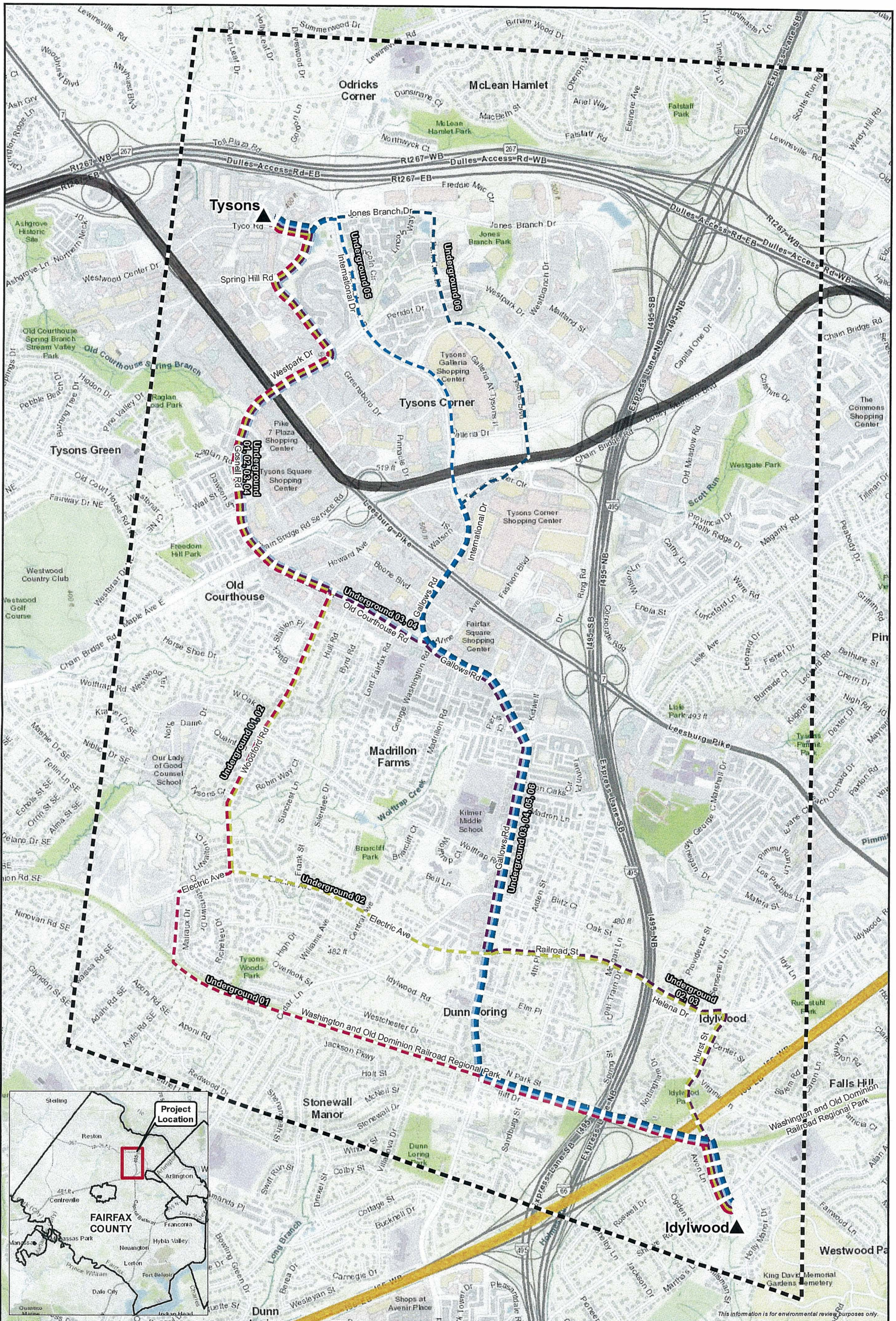


DOMINION ENERGY VIRGINIA

**Idylwood-Tysons 230 kV Single Circuit Underground
Transmission Line
Tysons Substation Rebuild
And Related Transmission Facilities**

Environmental Routing Study

**Appendix B
Figures**



Underground Alternative 01

Underground Alternative 02

Underground Alternative 03

Underground Alternative 04

Underground Alternative 05

Underground Alternative 06

Existing Substation

Study Area

WMATA Orange Line

WMATA Silver Line

1:18,000

0 750 1,500 Feet

ERM

Appendix B

Figure 2.1-1

Overview Map

Idylwood-Tysons 230 kV Underground

Transmission Line Project

Fairfax County, Virginia



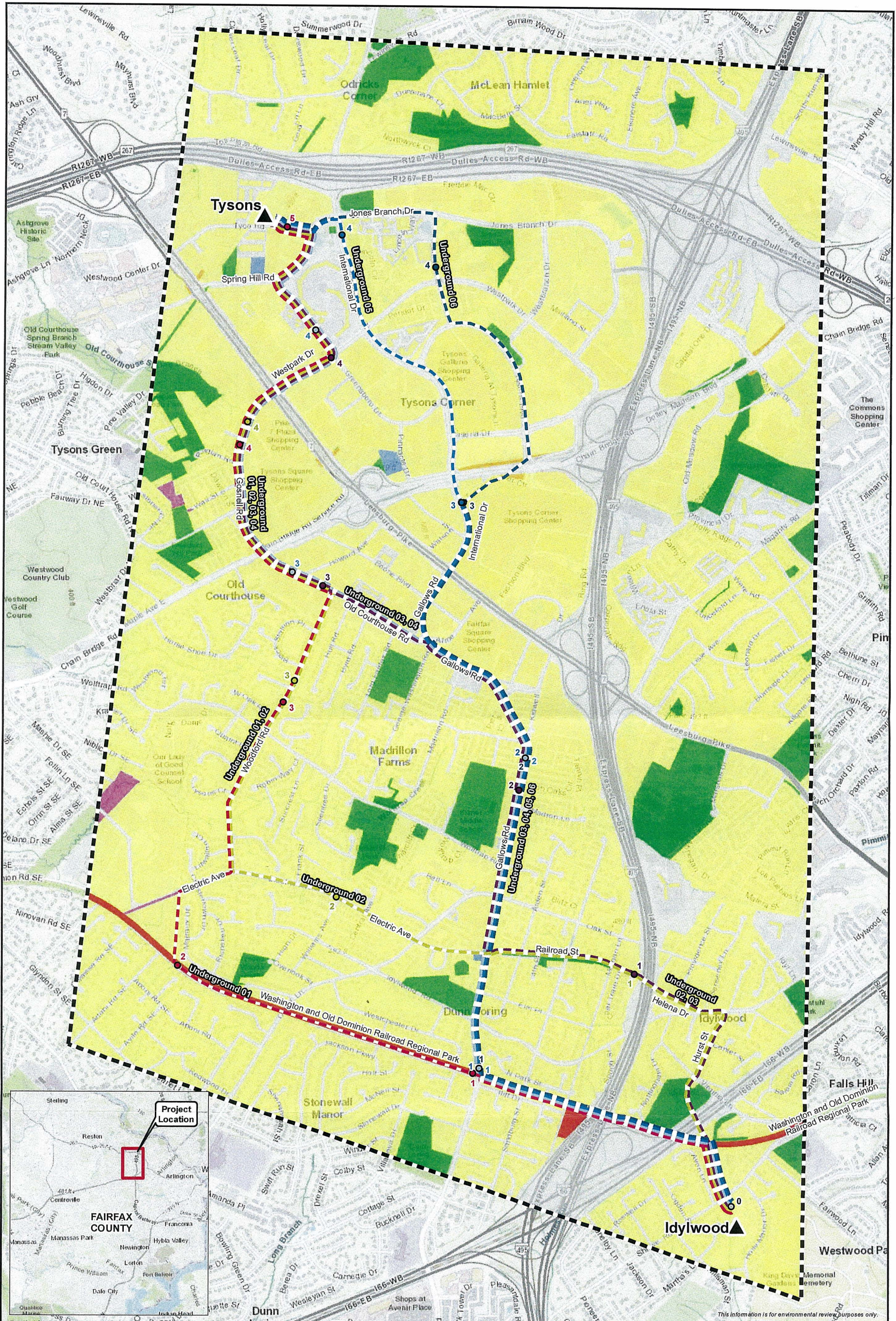
Appendix B
Figure 2.1.7-1
Underground Variations
Idylwood to Tysons Project
Fairfax County, Virginia

- Existing Substation
- Underground Alternative
- Underground Variations
 - Variation A
 - Variation B
 - Variation C
 - Variation D
- Fairfax County Easement
- Fairfax County Park
- NOVA Park
- Parcel Boundary



1:5,100





■ Underground Alternative 01

■ Underground Alternative 02

■ Underground Alternative 03

■ Underground Alternative 04

■ Underground Alternative 05

■ Underground Alternative 06

▲ Existing Substation

■ Study Area

○ Milepost

■ City

■ Commonwealth of Virginia

■ County

■ Federal

■ NOVA Parks

■ Private

■ WMATA

0 750 1,500 Feet

1:18,000

Appendix B

Figure 3.1.1-1

Land Ownership in Study Area

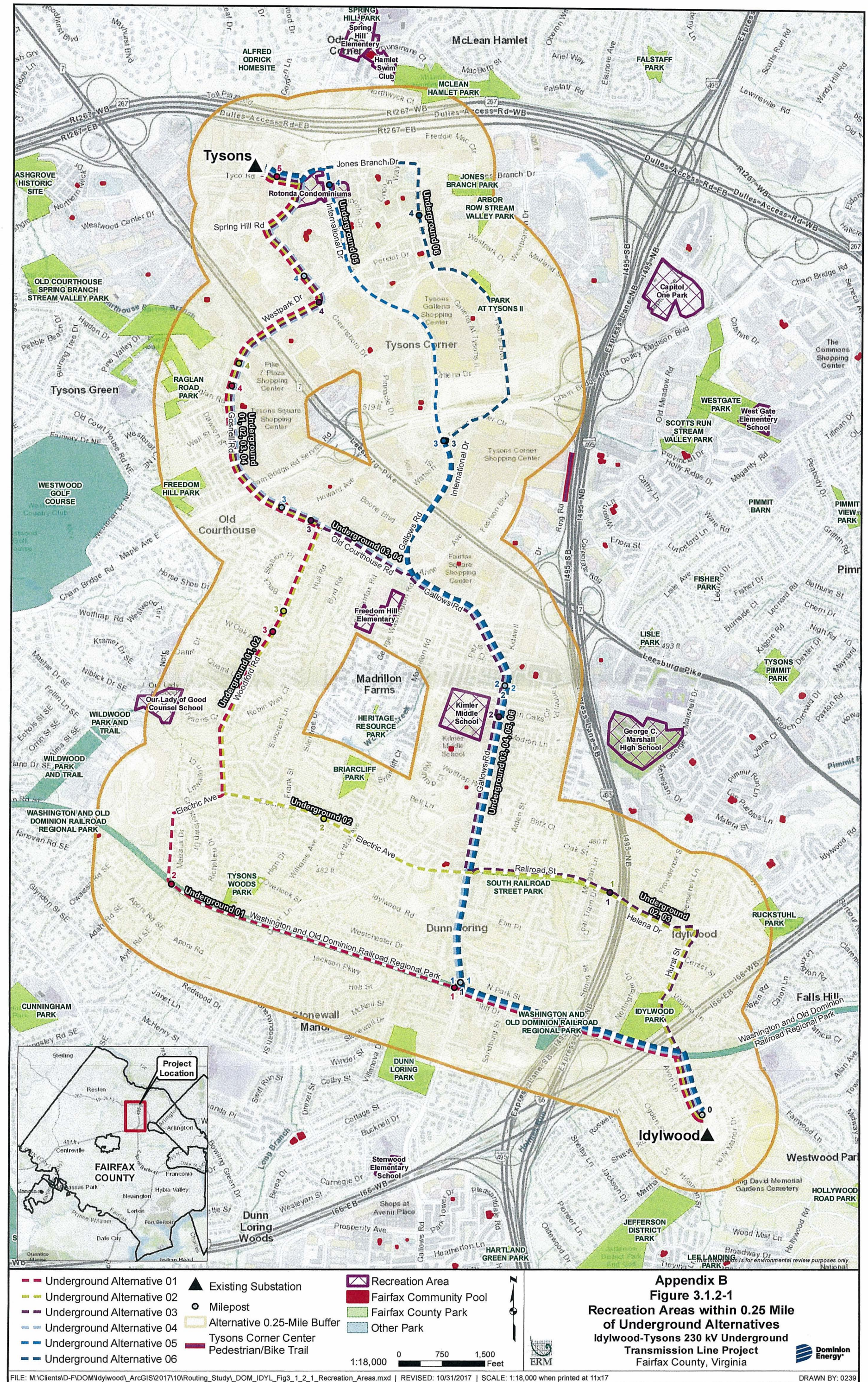
Idylwood-Tysons 230 kV Underground

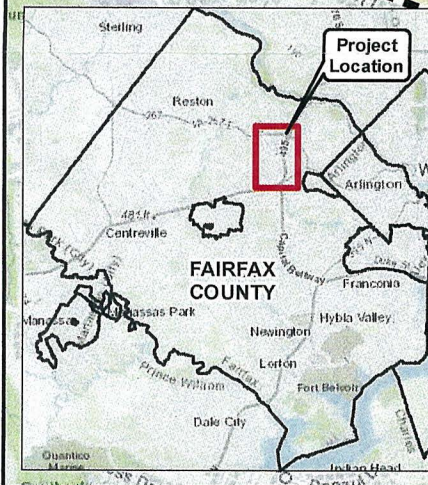
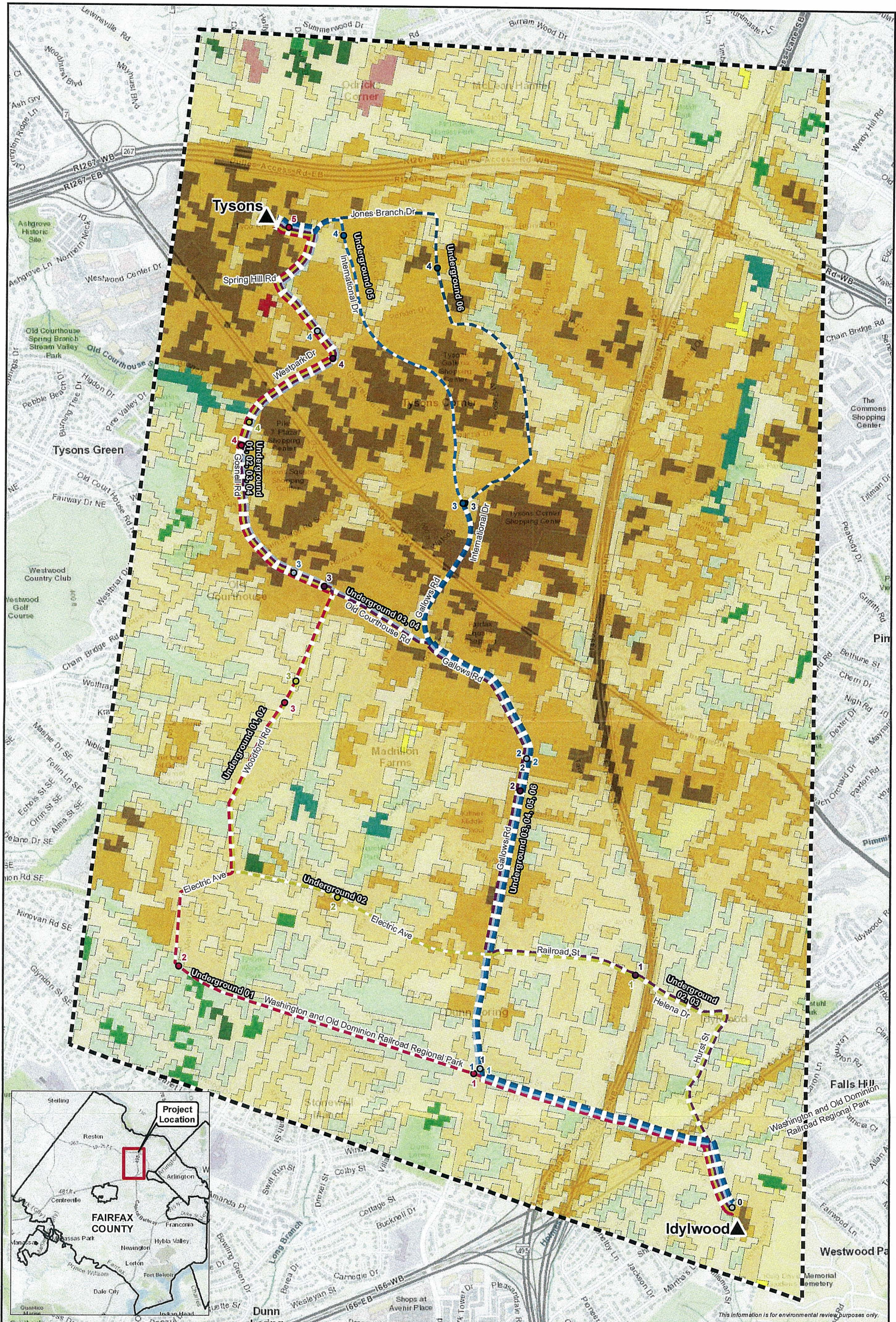
Transmission Line Project

Fairfax County, Virginia

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Underground Alternative 01

Underground Alternative 02

Underground Alternative 03

Underground Alternative 04

Underground Alternative 05

Underground Alternative 06

Milepost

Existing Substation

Study Area

Land Cover Category

Developed, High Intensity

Developed, Medium Intensity

Developed, Low Intensity

Developed, Open Space

Hay/Pasture

Barren Land

Deciduous Forest

Mixed Forest

Evergreen Forest

Shrub/Scrub

Woody Wetlands

Emergent Herbaceous Wetlands

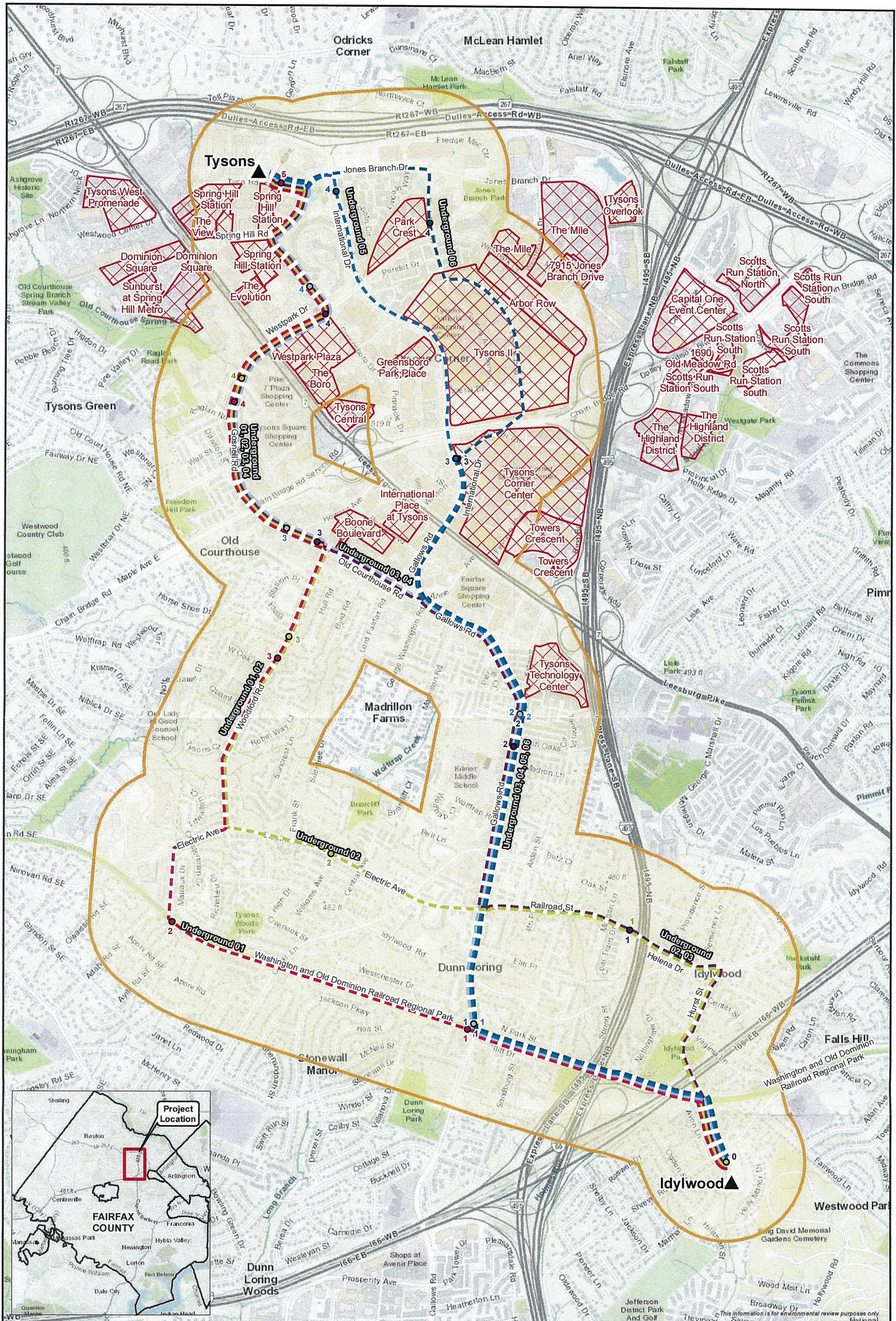
0 750 1,500 Feet

1:18,000

Appendix B
Figure 3.1.3-1
Existing Land Cover in Study Area
Idylwood-Tysons 230 kV Underground
Transmission Line Project
Fairfax County, Virginia

FILE: M:\Clients\ID-FDOM\Idylwood_ArcGIS\2017\10\Routing_Study_DOM_IDYL_Fig3_1_3_1_Land_Cover.mxd | REVISED: 10/31/2017 | SCALE: 1:18,000 when printed at 11x17

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Underground Alternative 01

Underground Alternative 02

Underground Alternative 03

Underground Alternative 04

Underground Alternative 05

Underground Alternative 06

Existing Substation

Alternative 0.25-Mile Buffer

Planned Development

Milepost

1:18,000

0 750 1,500 Feet

ERM

Appendix B

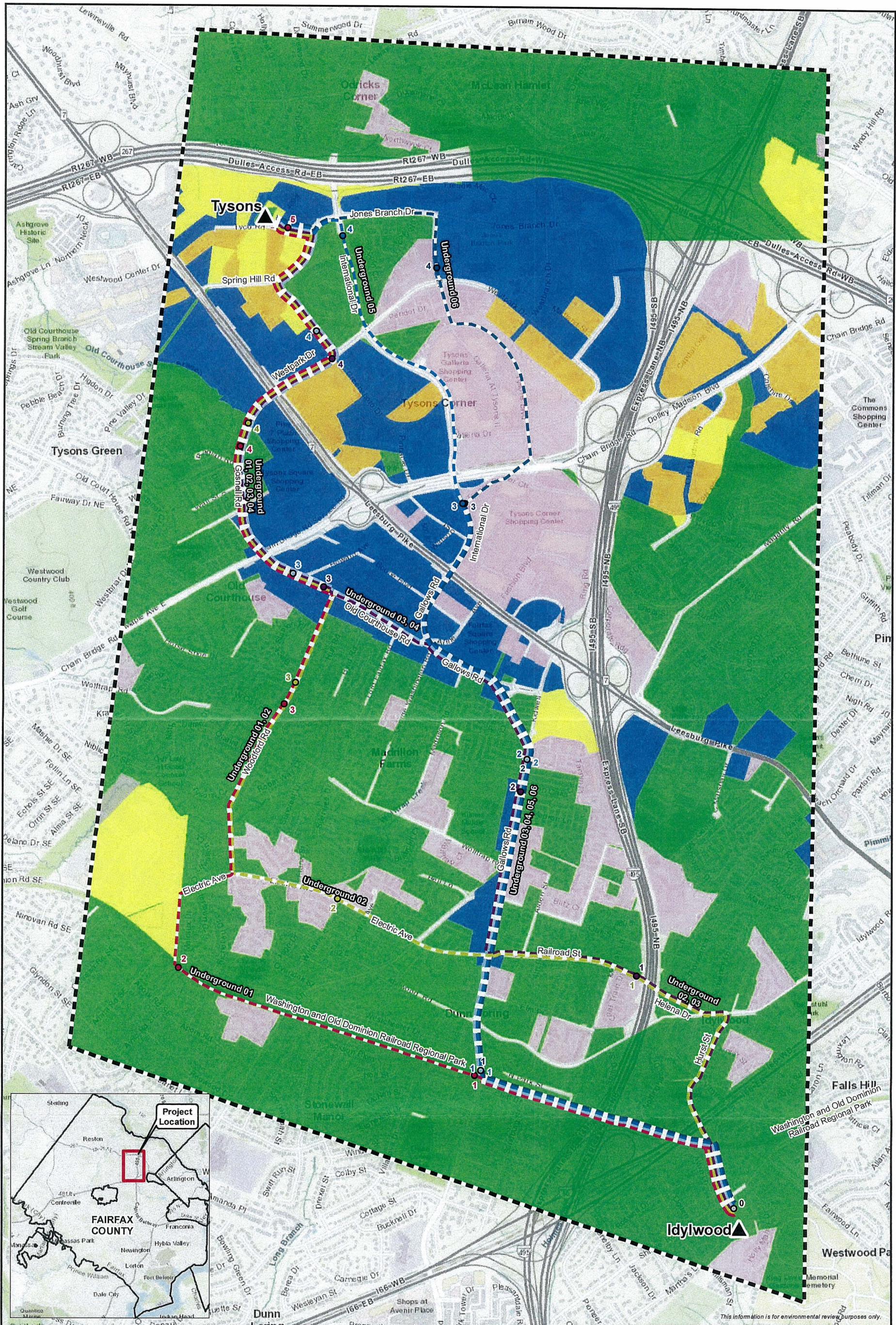
Figure 3.1.4-1

Planned Developments within 0.25 Mile of Underground Alternatives

Idylwood-Tysons 230 kV Underground Transmission Line Project

Fairfax County, Virginia

Dominion Energy



Legend

- Underground Alternative 01
- Underground Alternative 02
- Underground Alternative 03
- Underground Alternative 04
- Underground Alternative 05
- Underground Alternative 06
- ▲ Existing Substation
- Study Area
- Milepost

Zoning Type

- Residential
- Commercial
- Industrial
- Planned Units
- Tyson
- Other

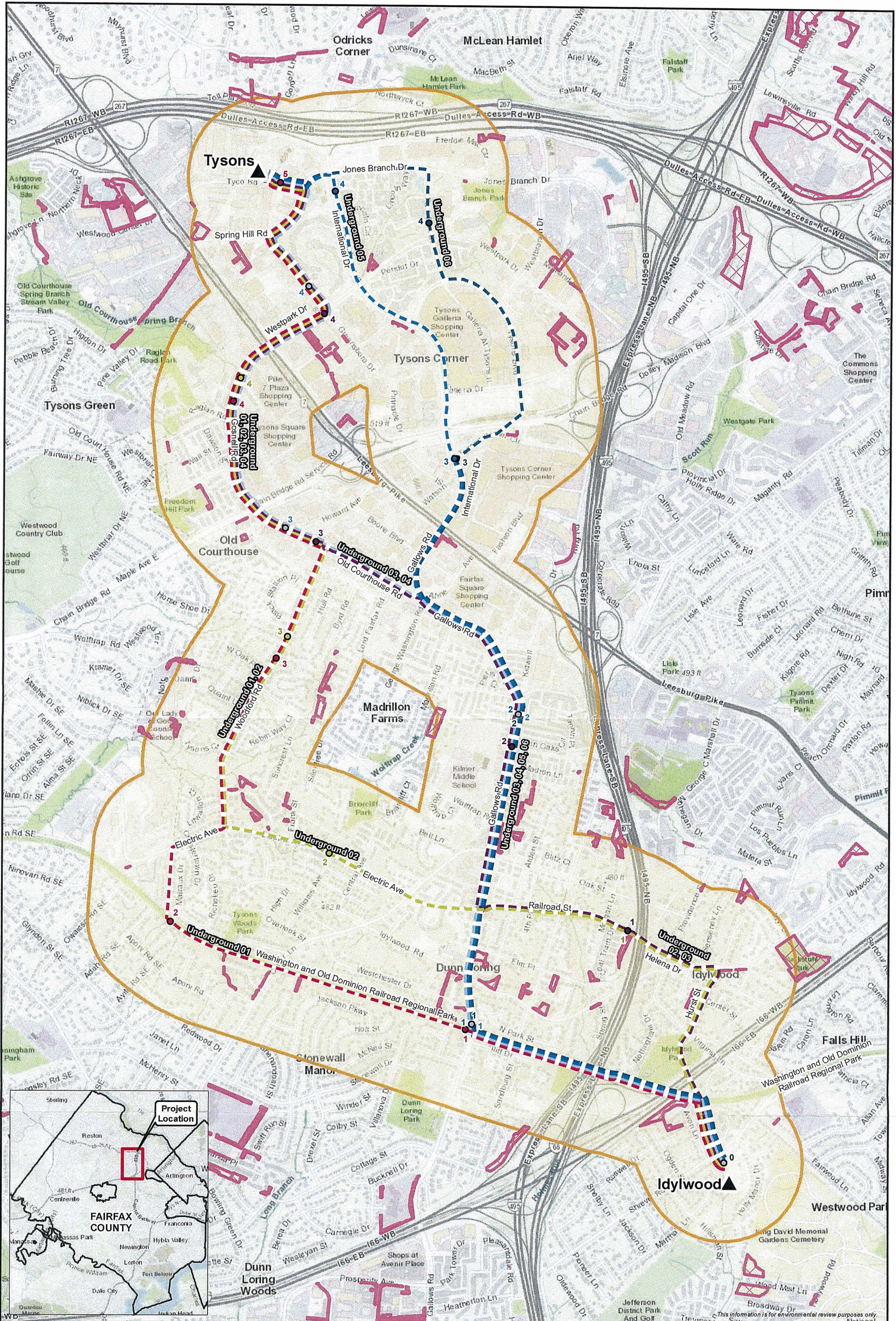
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0 750 1,500 Feet

ERM

Appendix B
Figure 3.1.5-1
Zoning Categories in Study Area
Idylwood-Tysons 230 kV Underground
Transmission Line Project
Fairfax County, Virginia





Underground Alternative 01

Underground Alternative 02

Underground Alternative 03

Underground Alternative 04

Underground Alternative 05

Underground Alternative 06

Existing Substation

Milepost

Alternative 0.25-Mile Buffer

Fairfax County Conservation Easement

1:18,000

0 750 1,500 Feet

Appendix B

Figure 3.1.6-1

Conservation Easements within 0.25 Mile of Underground Alternatives

Idylwood-Tysons 230 kV Underground Transmission Line Project

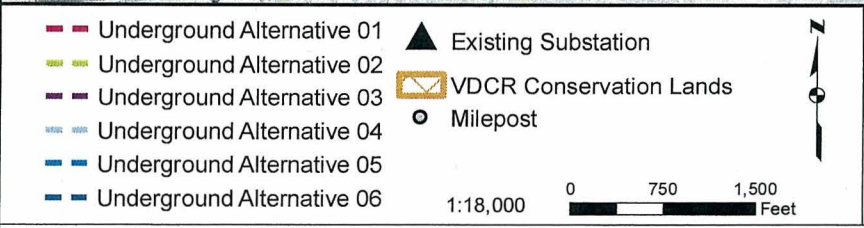
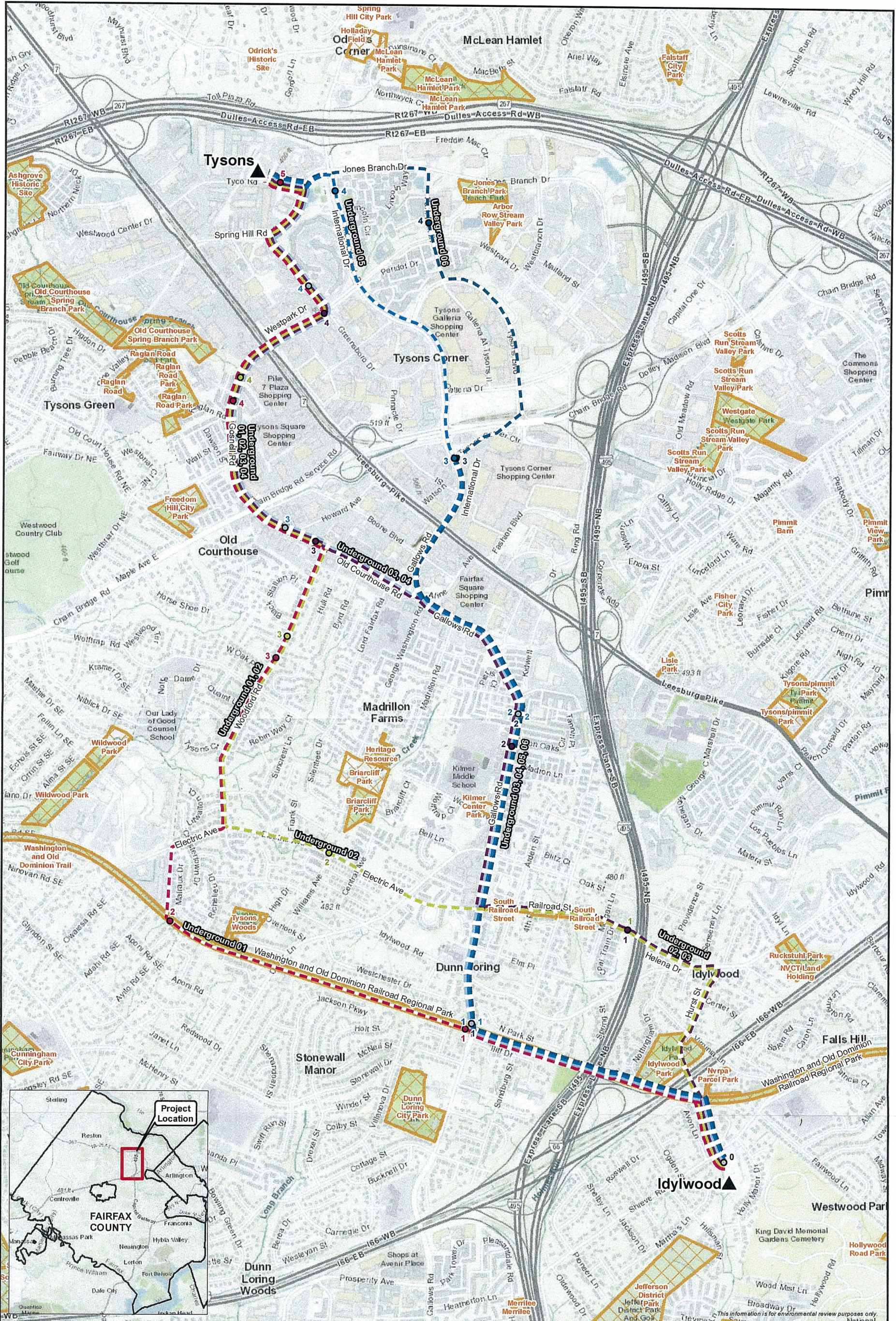
Fairfax County, Virginia

ERM

Dominion Energy

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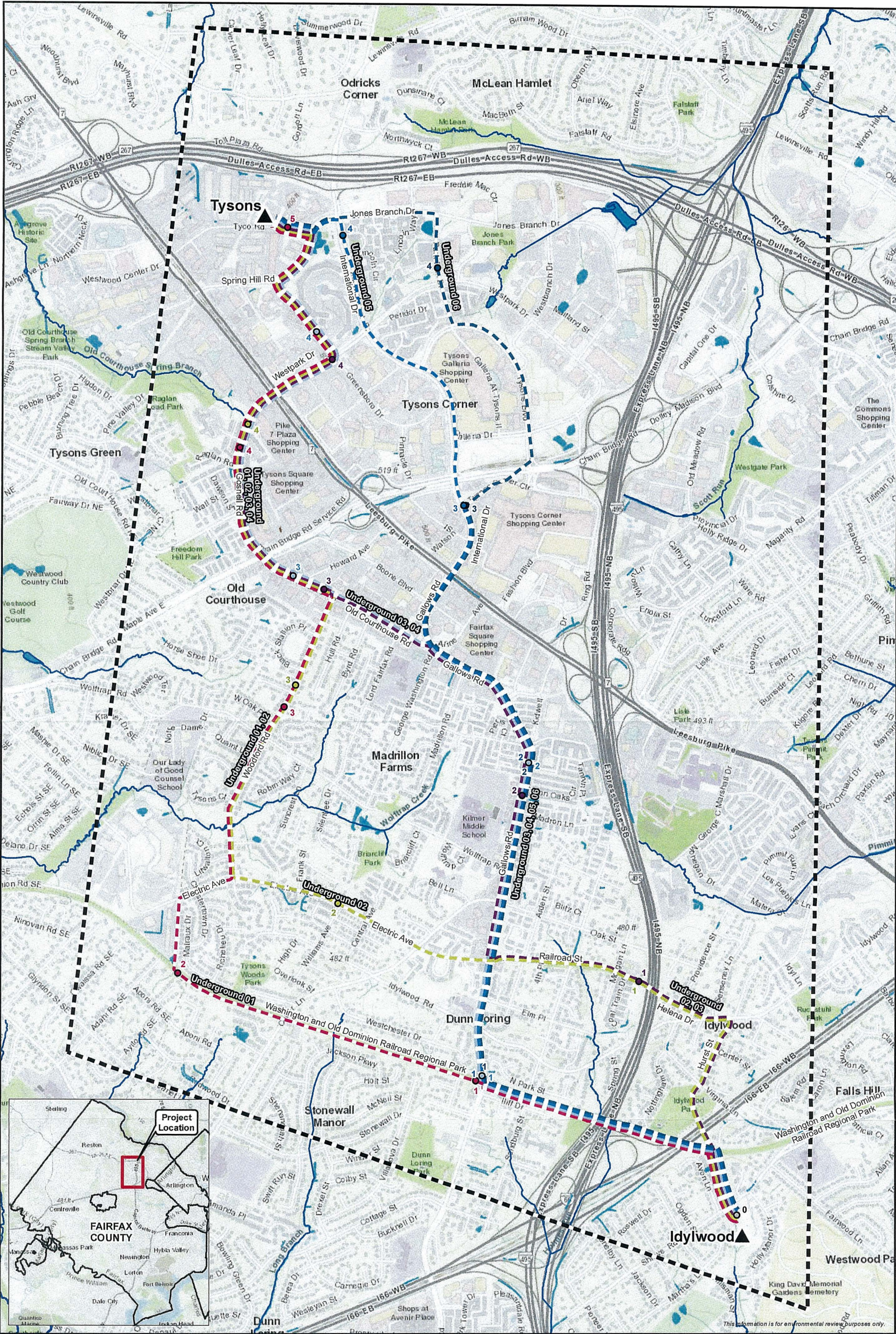
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Appendix B
Figure 3.1.7-1
Other Conservation Lands Crossed
by Underground Alternatives
Idylwood-Tysons 230 kV Underground
Transmission Line Project
Fairfax County, Virginia

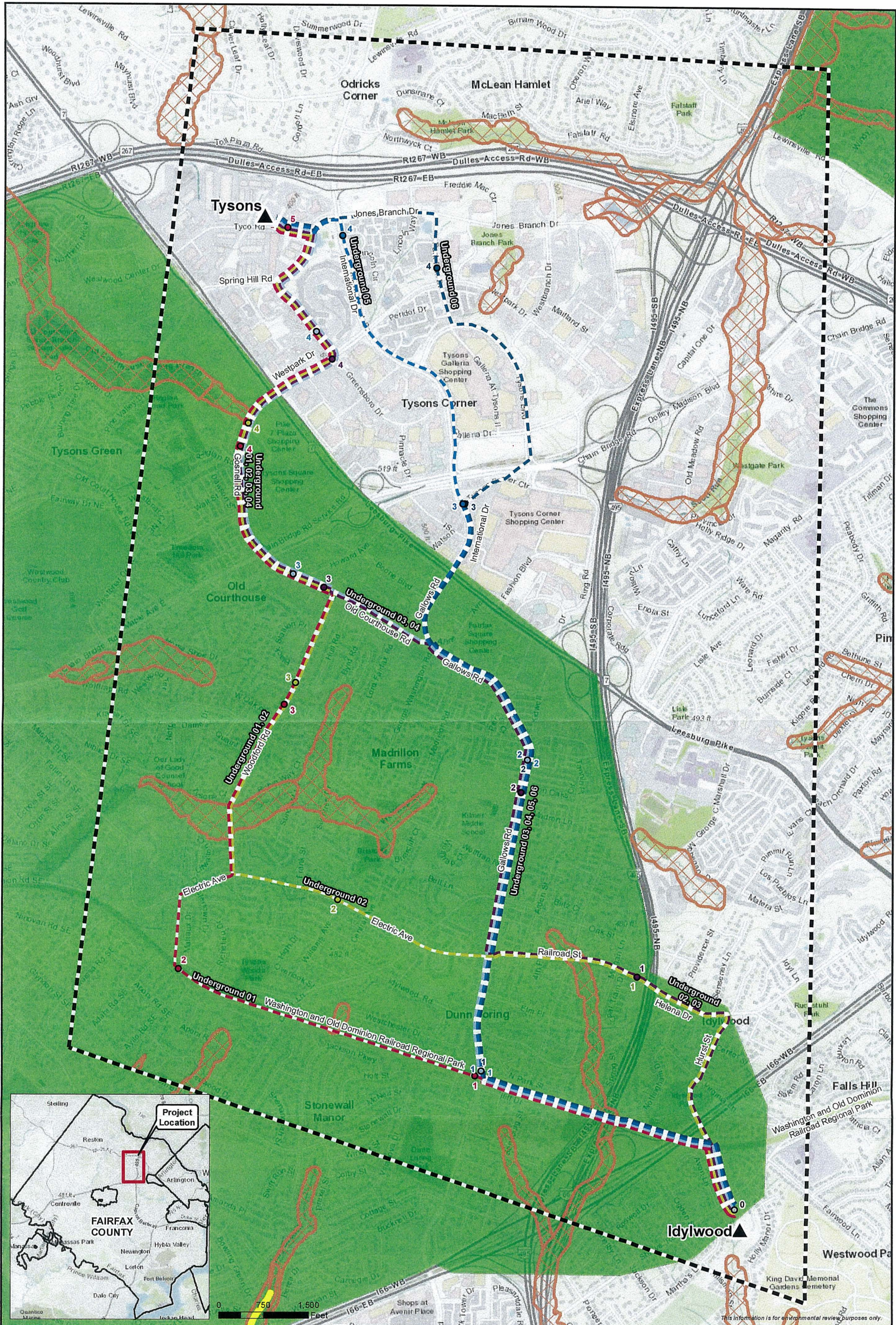
ERM

Dominion Energy



Appendix B
Figure 3.2.2-1
Waterbodies in Study Area
Idylwood-Tysons 230 kV Underground
Transmission Line Project
Fairfax County, Virginia





- Underground Alternative 01
- Underground Alternative 02
- Underground Alternative 03
- Underground Alternative 04
- Underground Alternative 05
- Underground Alternative 06
- ▲ Existing Substation
- Study Area
- Resource Protection Area
- Stream Conservation Unit
- General Location Area for Natural Heritage Resources
- Milepost
- 1:18,000

Appendix B
Figure 3.2.3-1
Resource Protection Areas and Areas of Ecological Significance in Study Area
Idylwood-Tysons 230 kV Underground
Transmission Line Project
Fairfax County, Virginia



