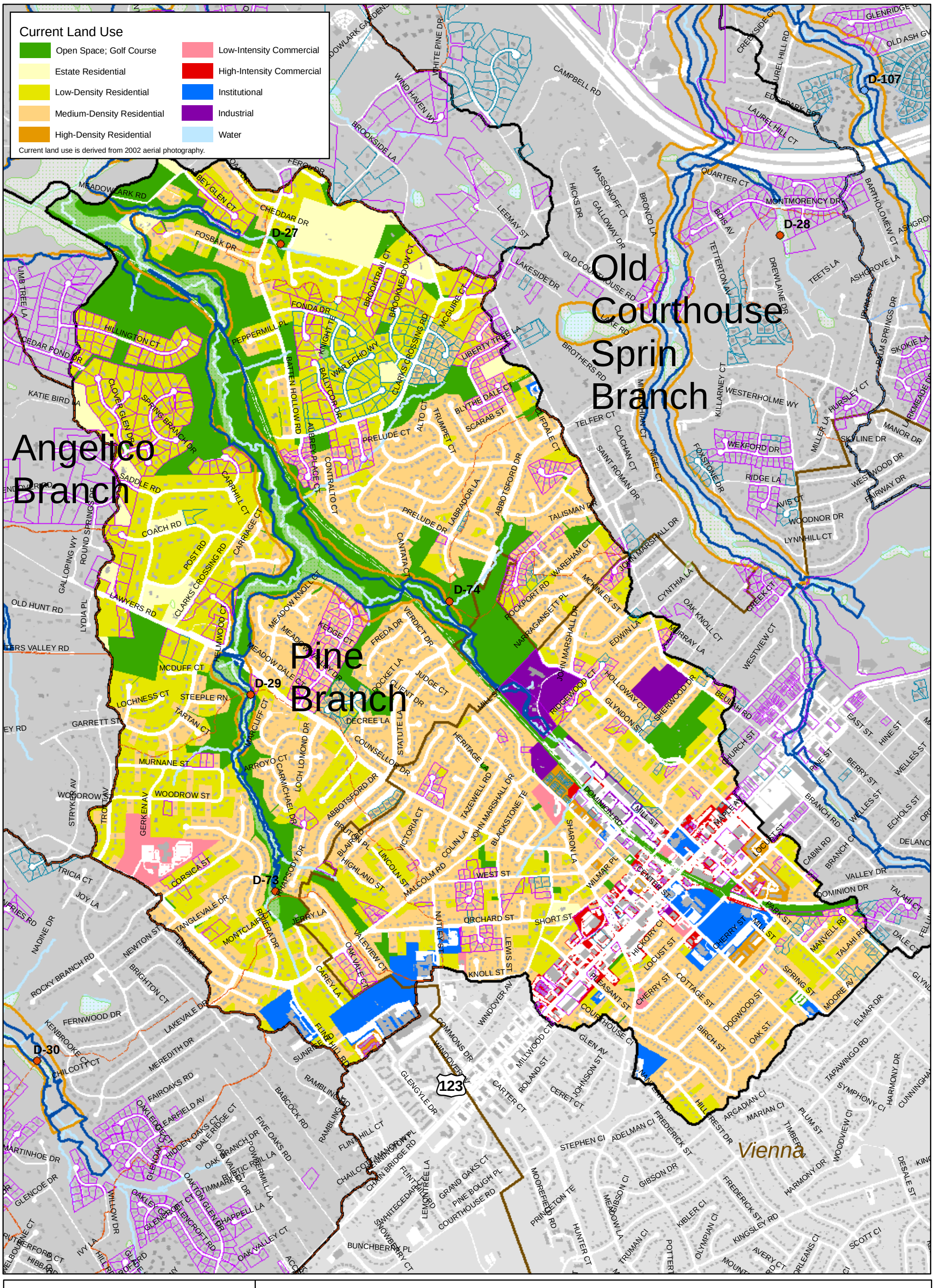
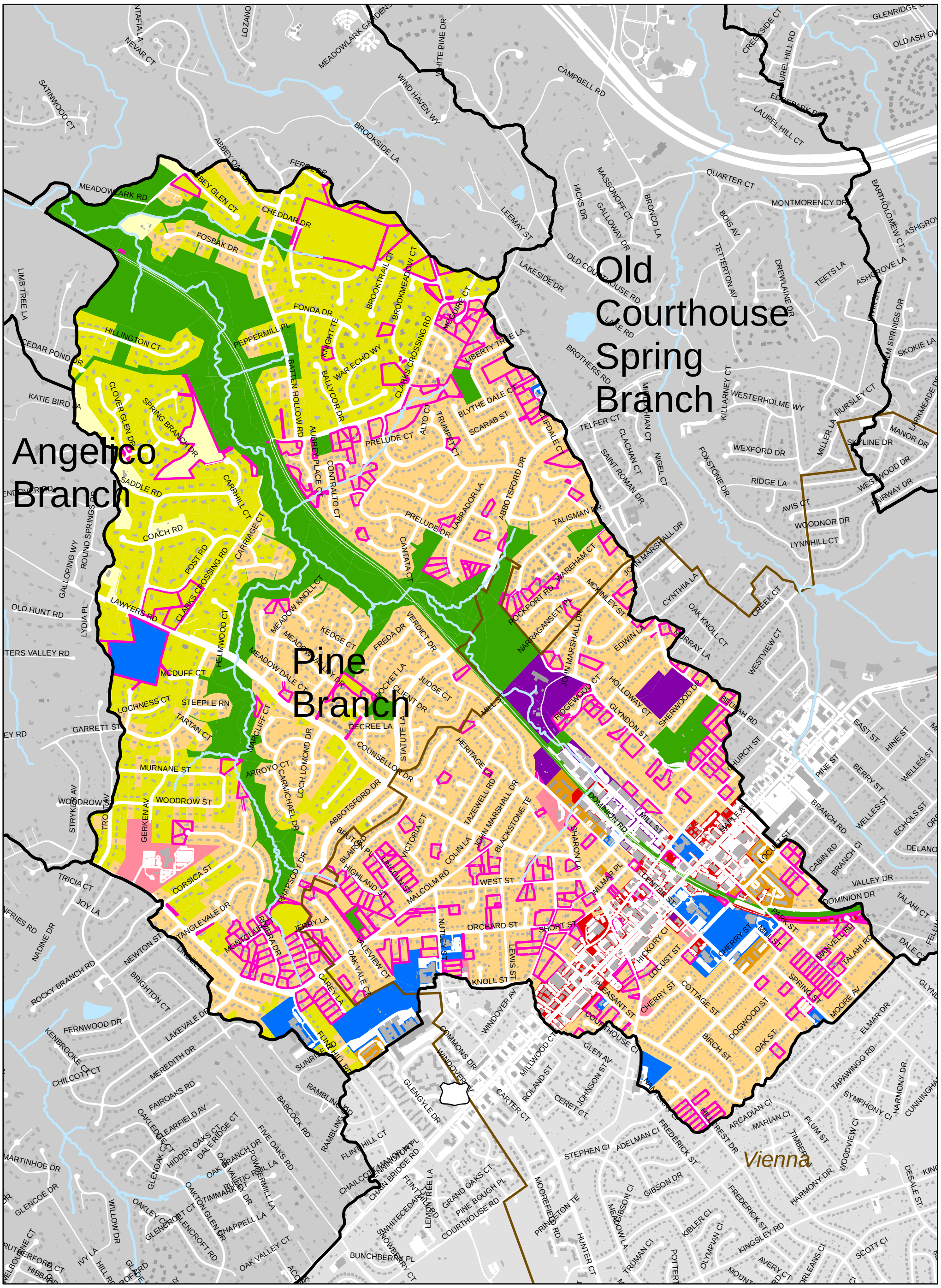


Difficult Run Watershed
Map DFPB_1
Subwatershed Characteristics
Piney Branch

0 500 1,000 2,000 Feet

Subwatershed Boundary
Streams
Lakes, Ponds
Existing Flood Limit (100 yr)
Wetlands (NWI)
Resource Protection Area
Unconstructed Regional Pond
Constructed Regional Pond
Unconstructed Regional Pond Drainage Area
Constructed Regional Pond Drainage Area
Quantity Control
Quantity/Quality Control
Vienna

Flood limit does not necessarily include all floodplains as identified by zoning.



Difficult Run Watershed
Map DFPB_2
Future Land Use
Piney Branch

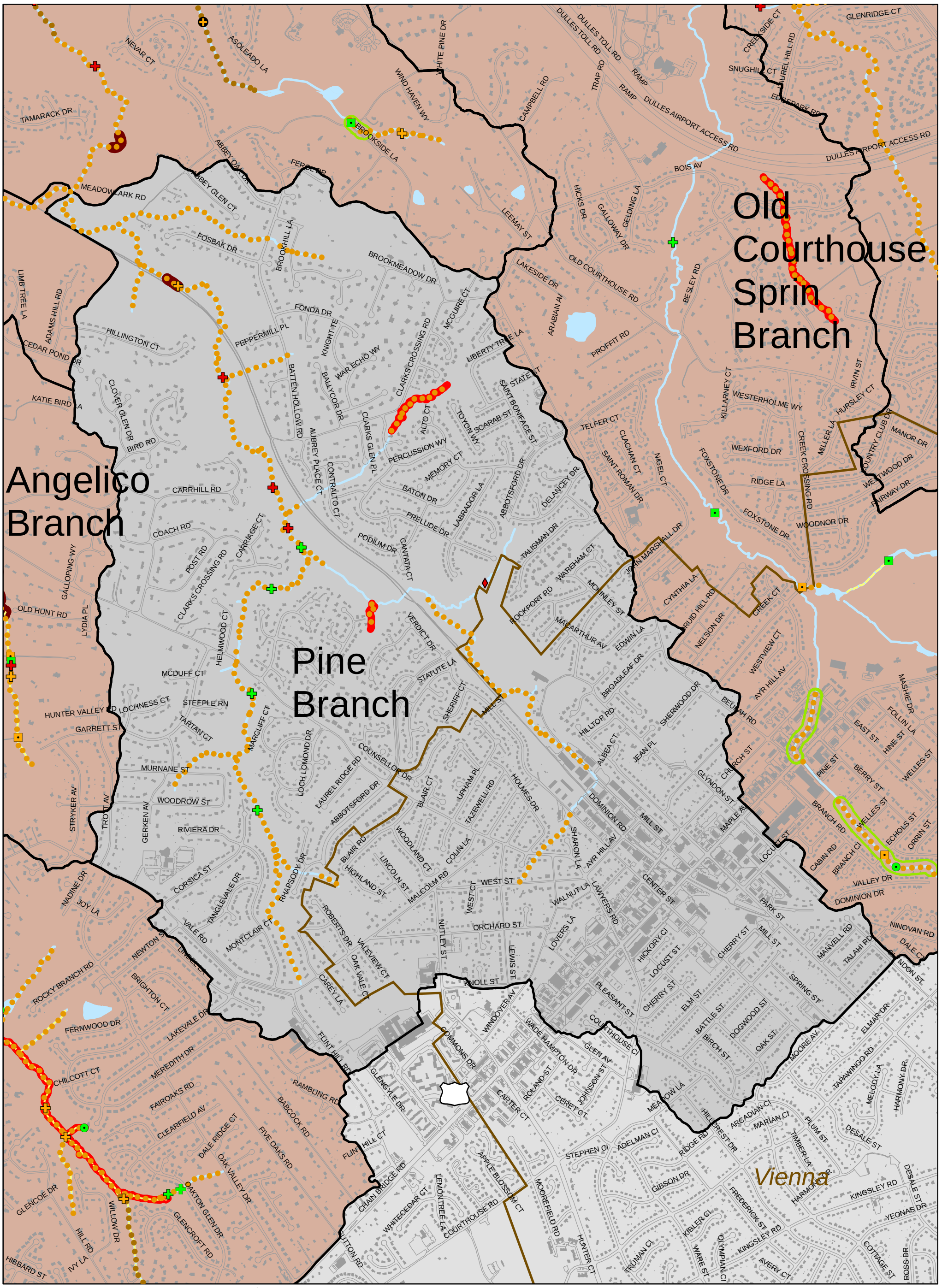
0 500 1,000 2,000 Feet

Future Land Use

- Open Space; Golf Course
- Estate Residential
- Low-Density Residential
- Medium-Density Residential
- High-Density Residential
- Low-Intensity Commercial
- High-Intensity Commercial
- Institutional
- Industrial
- Water

Land use designations have been generalized to estimate future impervious cover for modeling purposes and may not necessarily reflect future zoning districts.

- Changed Land Use
- Vienna
- Subwatershed Boundary
- Streams
- Lakes, Ponds



Difficult Run Watershed
Map DFPB_3
Stream Condition
Piney Branch

0 500 1,000 2,000 Feet

Pipe Impact
- Minor to Moderate
- Moderate to Severe
- Severe to Extreme

Ditch Impact
- Minor to Moderate
- Moderate to Severe
- Severe to Extreme

Dump Site Impact
- Minor to Moderate
- Moderate to Severe
- Severe to Extreme

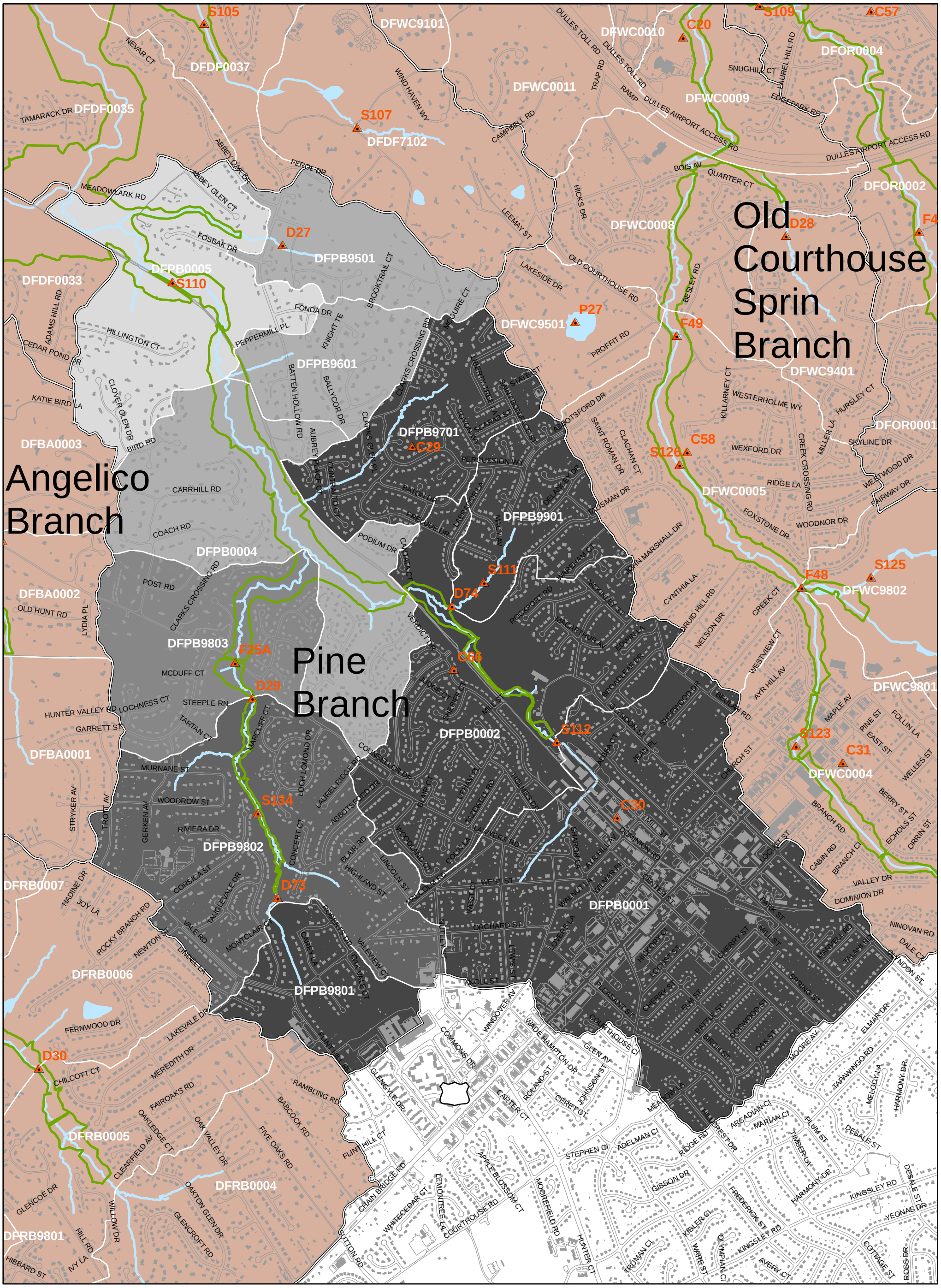
Head Cut Height
- 0.5' - 1'
- 1' - 2'
- >2'

- Poor to Very Poor Habitat
- CEM Type 2- Incision
- CEM Type 3-Widening
- Low Bank Stability
- Severe to Extreme Erosion
- Deficient Buffer
- Vienna

Crossing Impact
- Minor to Moderate
- Moderate to Severe
- Severe to Extreme

Obstruction Impact
- Minor to Moderate
- Moderate to Severe
- Severe to Extreme

Utility Impact
- Minor to Moderate
- Moderate to Severe
- Severe to Extreme



Difficult Run Watershed
Map DFPB_4
Candidate Sites for Improvements
Piney Branch

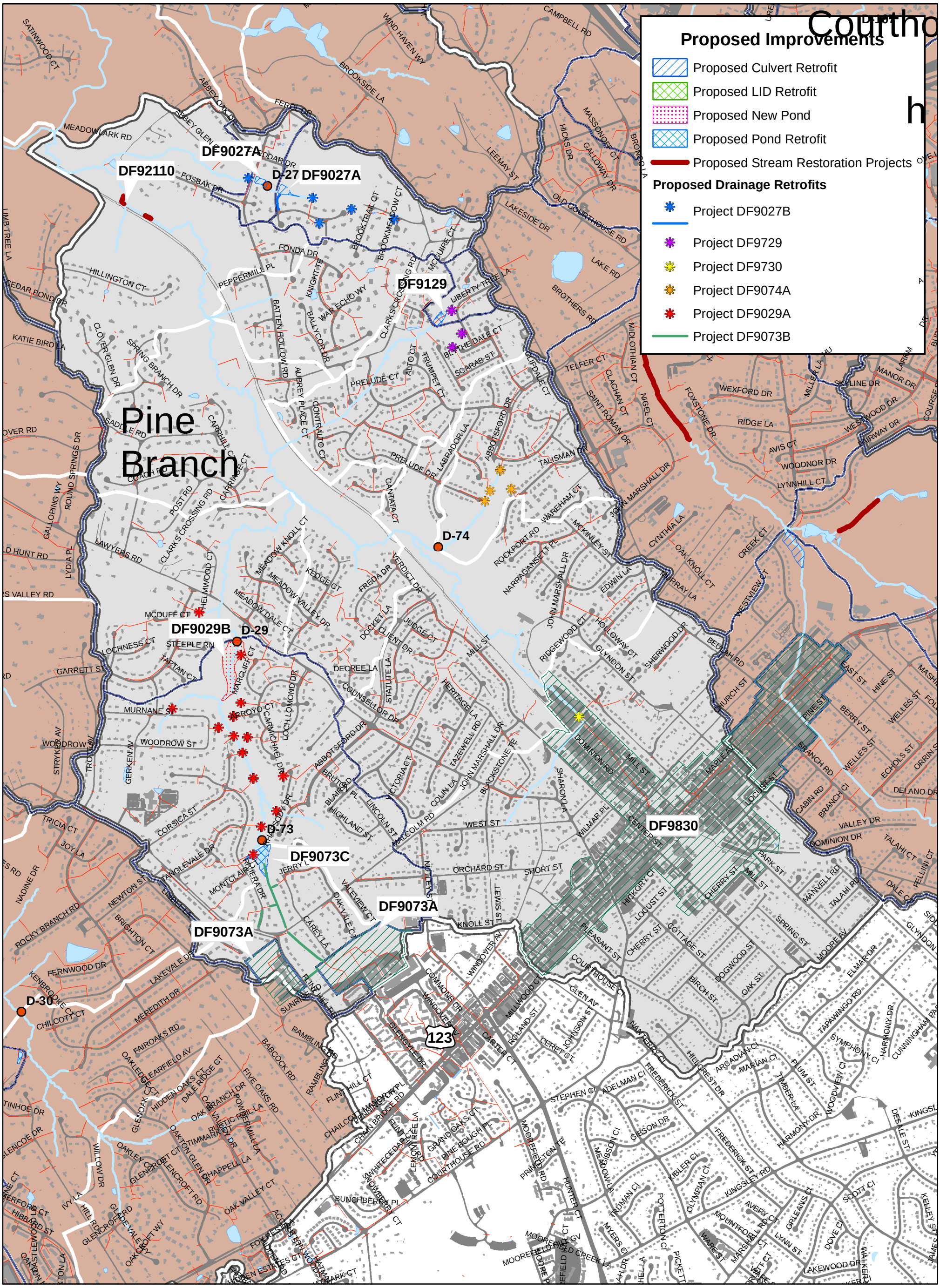
0 490 980 1,960 Feet

Candidate Sites
DFCH0002 - Catchment Code

Modeled Existing Flood Limit (100 yr)

Candidate Sites Code Descriptions
S - Stream Site
C - Catchment Site
(Hydrology and Water Quality)
D - Unconstructed Regional Pond Site
(Hydrology and Water Quality)
F - Road Flooding
P - Preservation

Catchment Ranking
Lowest Quality
Highest Quality



Difficult Run Watershed

Map DFPB_
Proposed Improvements
Piney Branch

0 495 990 1,980 Feet

- Unconstructed Regional Pond
- Constructed Regional Pond
- Storm Sewers
- Existing BMPs
- Lakes and Ponds
- Catchments
- Proposed Stormwater BMP Drainage Area