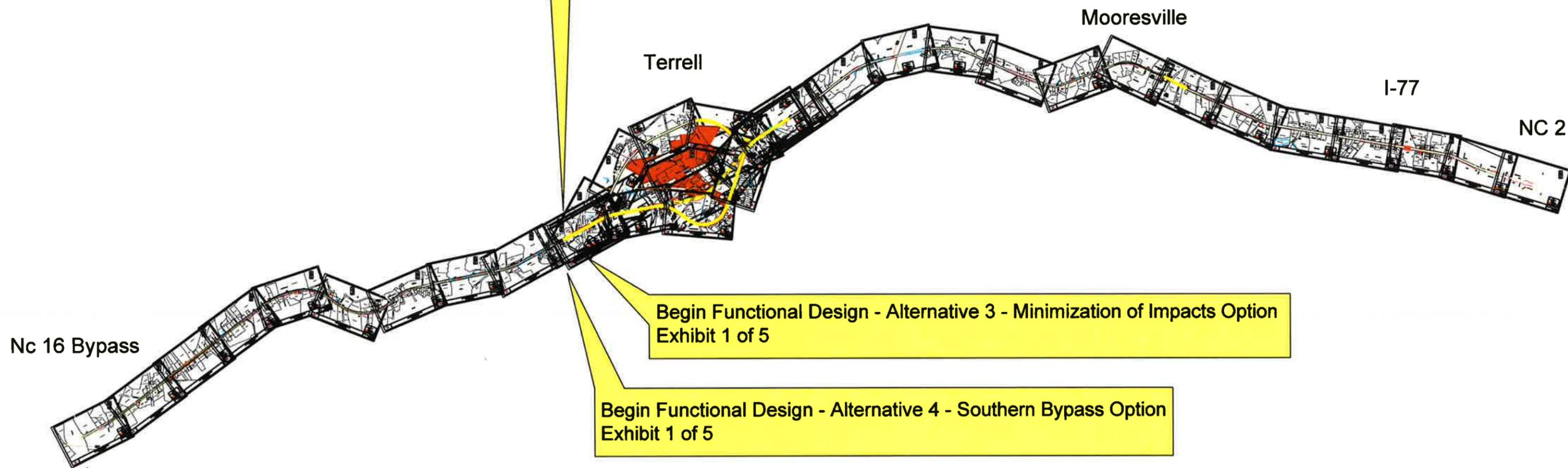
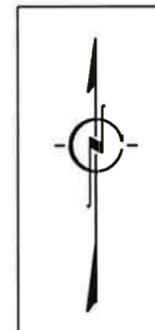


Begin Functional Design - Alternative 2 - Northern Bypass Option
Exhibit 1 of 5



Nc 16 Bypass

Terrell

Mooresville

I-77

NC 21

Begin Functional Design - Alternative 1
Exhibit 1 of 27

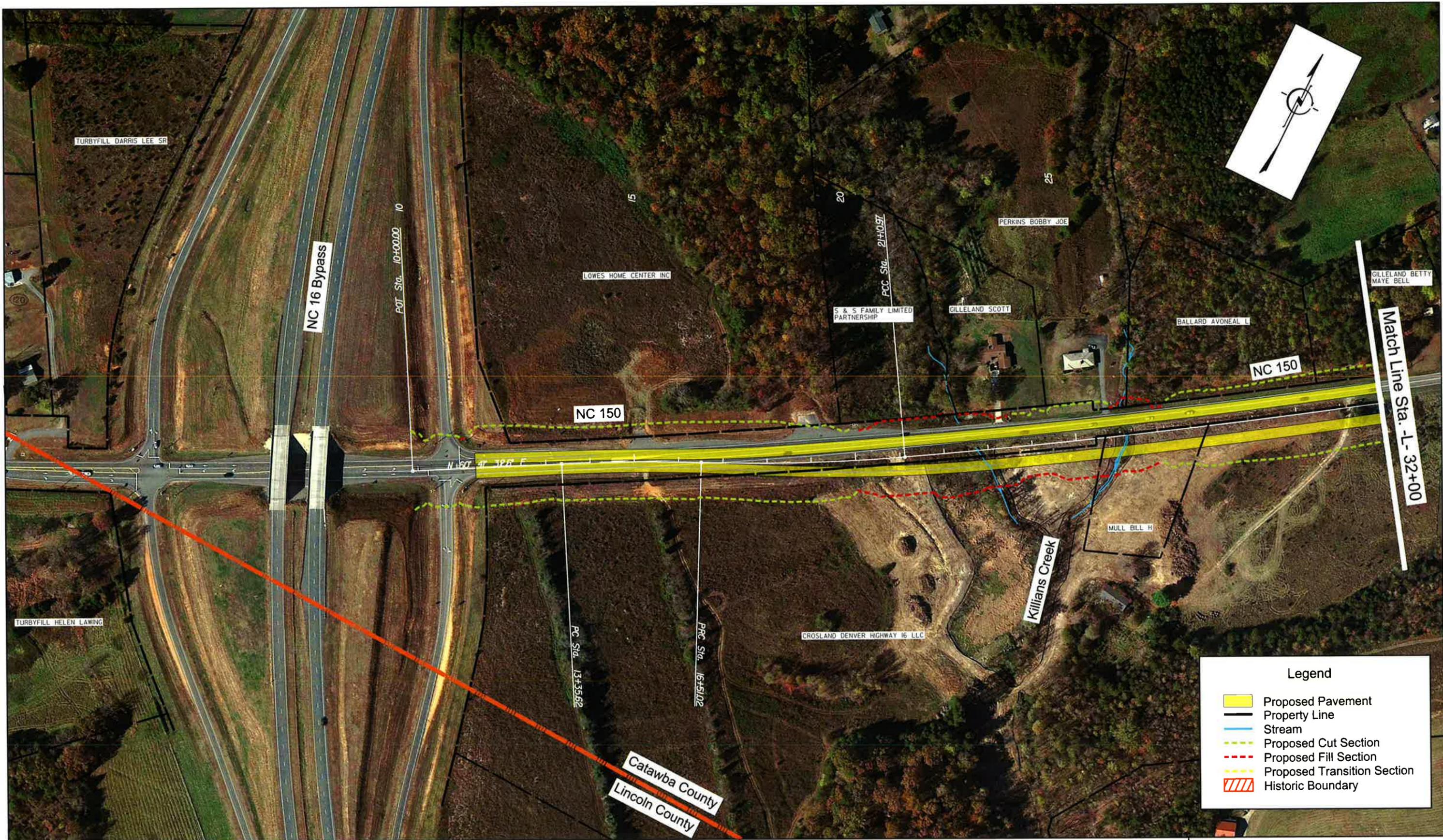
Begin Functional Design - Alternative 3 - Minimization of Impacts Option
Exhibit 1 of 5

Begin Functional Design - Alternative 4 - Southern Bypass Option
Exhibit 1 of 5



NC 150 Widening
from the NC 16 Bypass in Catawba County
to I-77 in Iredell County
TIP No. R-2307

Index of Sheets
Not to Scale
Exhibit 1 of 42



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 1 of 27





Legend

-  Proposed Pavement
-  Property Line
-  Stream
-  Proposed Cut Section
-  Proposed Fill Section
-  Proposed Transition Section
-  Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 2 of 27



Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary

NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 3 of 27





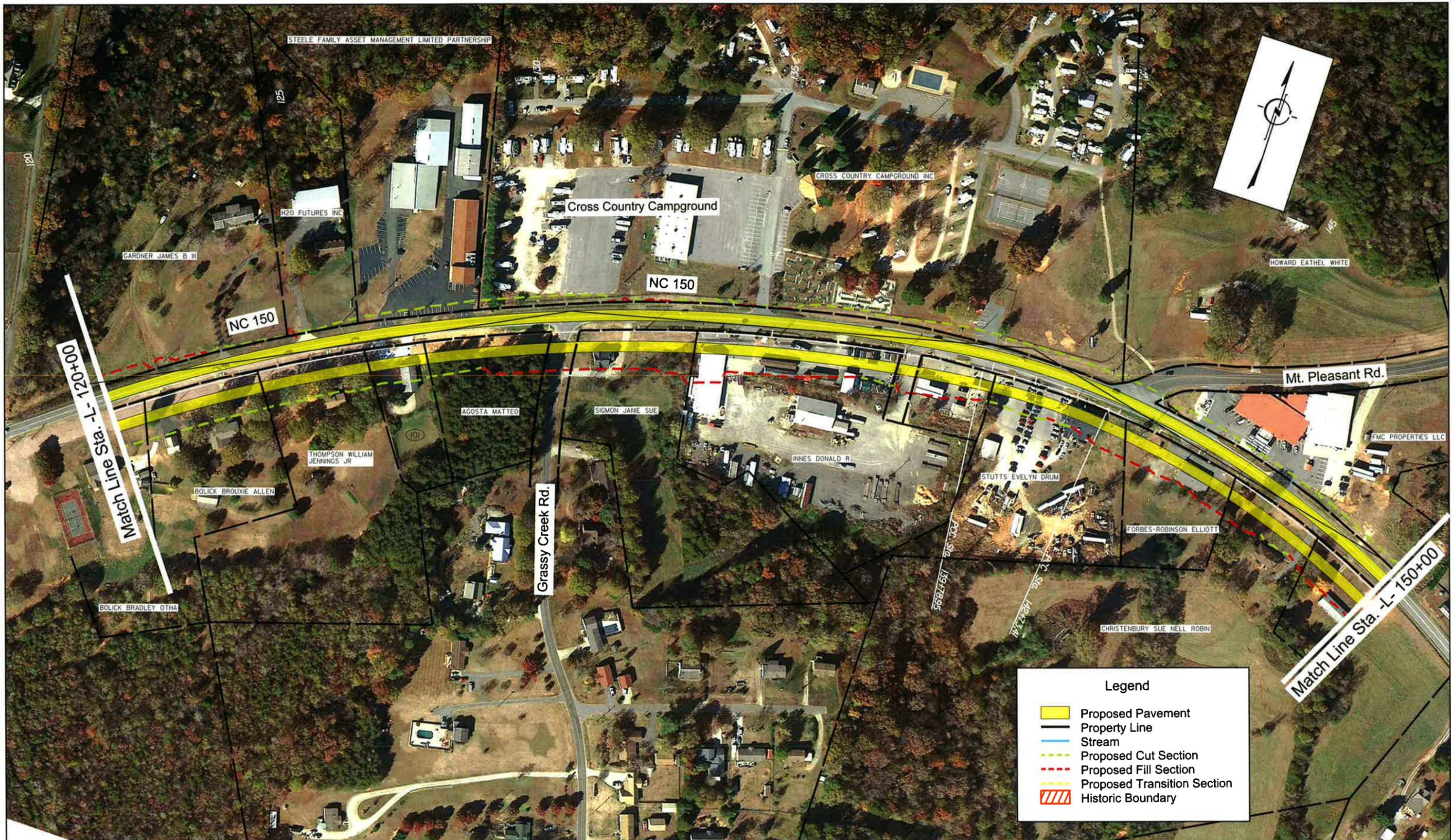
Legend

-  Proposed Pavement
-  Property Line
-  Stream
-  Proposed Cut Section
-  Proposed Fill Section
-  Proposed Transition Section
-  Historic Boundary



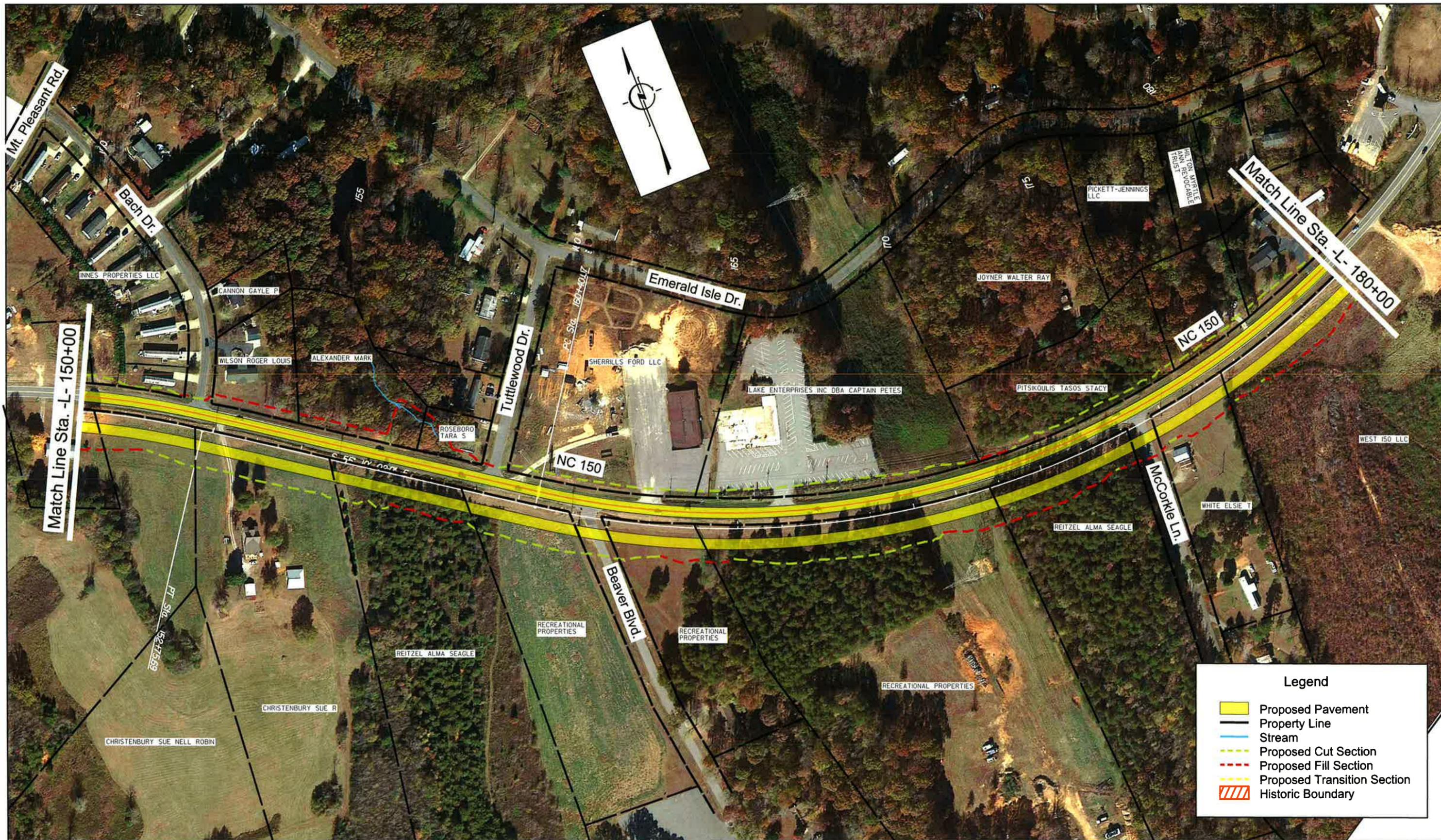
NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 4 of 27



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 5 of 27



Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

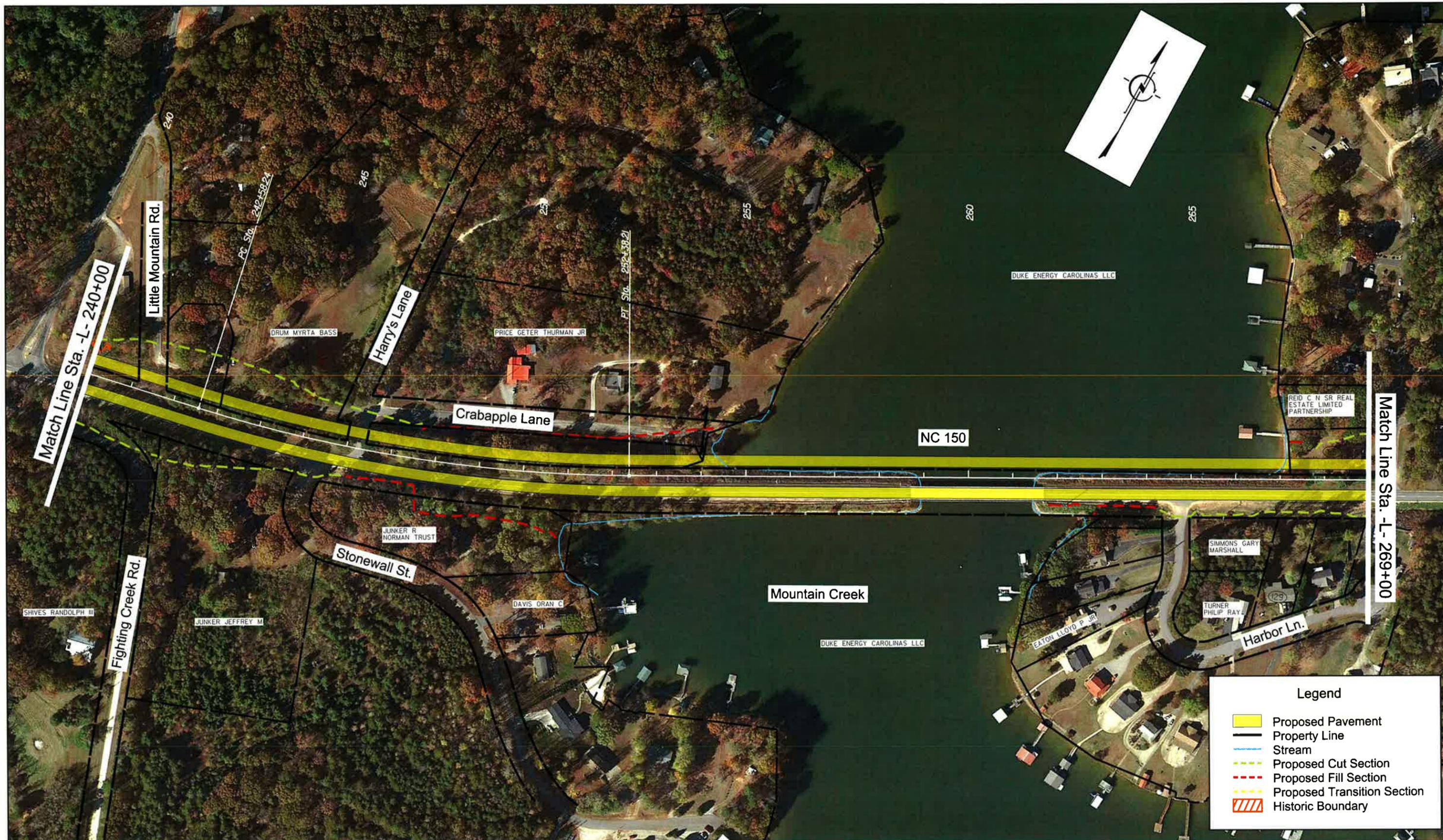
Alternative 1
 Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 6 of 27



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 8 of 27





NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 9 of 27



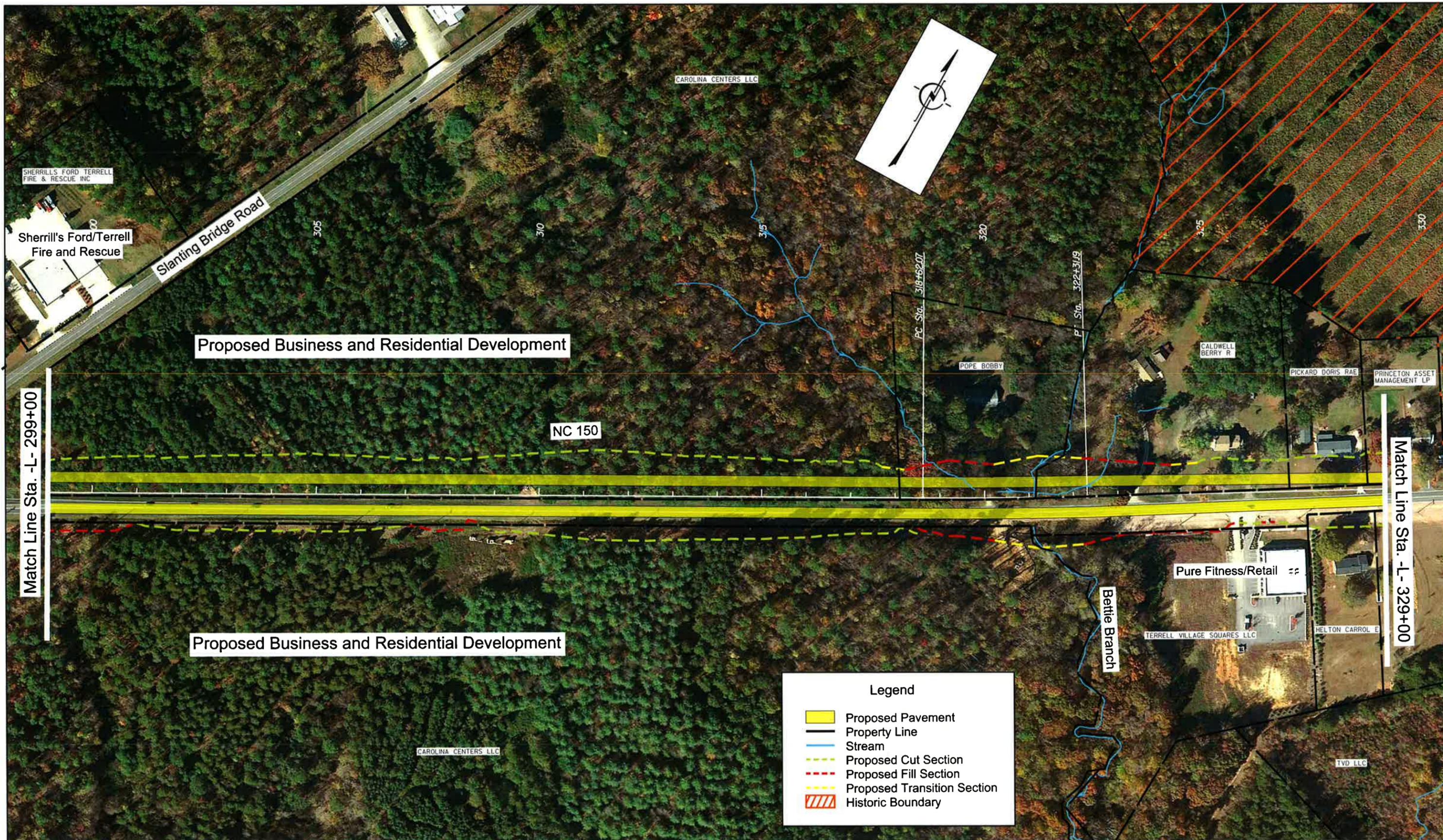
Match Line Sta. -L- 269+00

Match Line Sta. -L- 299+00



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 10 of 27



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I -77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 11 of 27



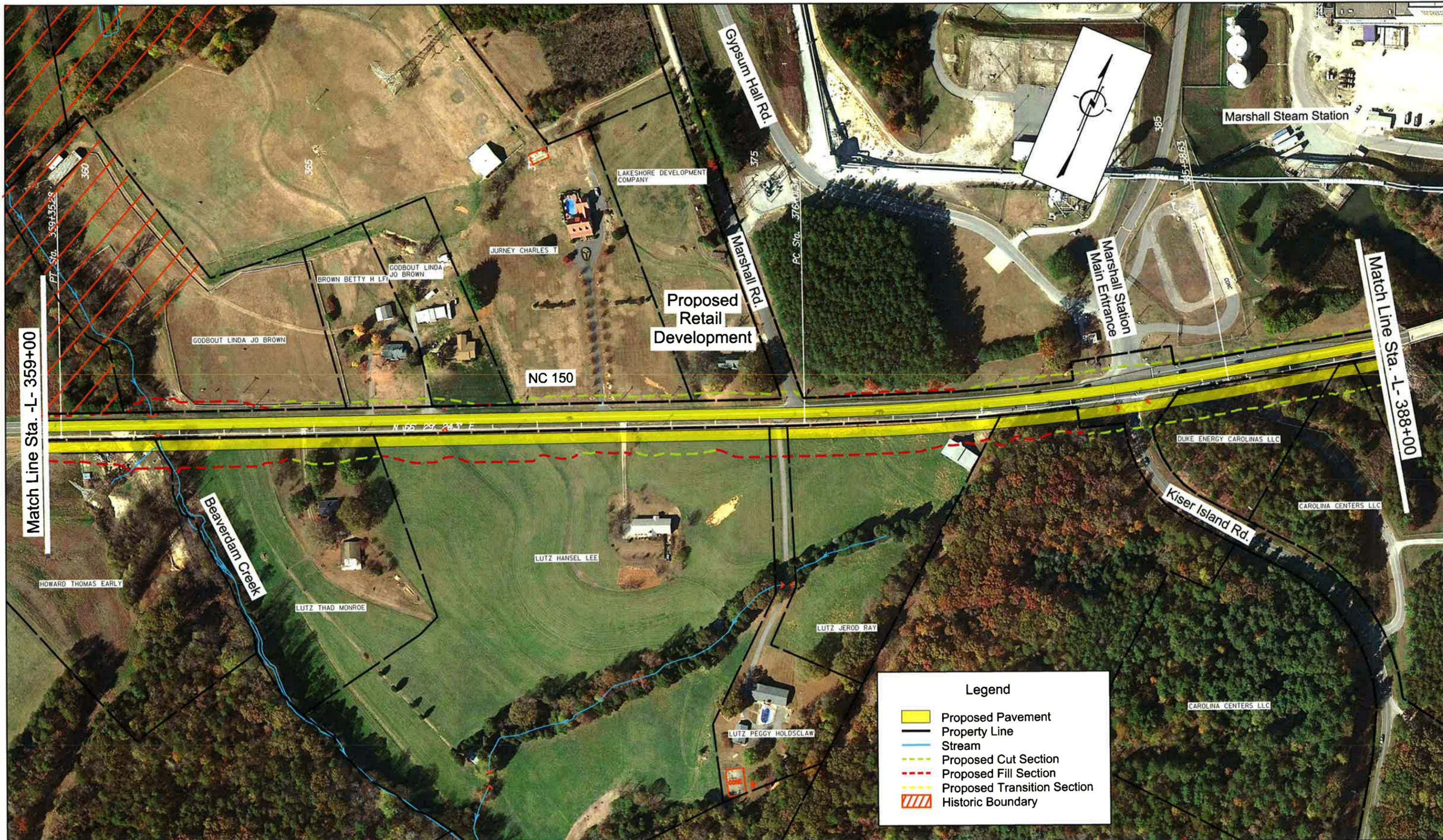
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary

NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

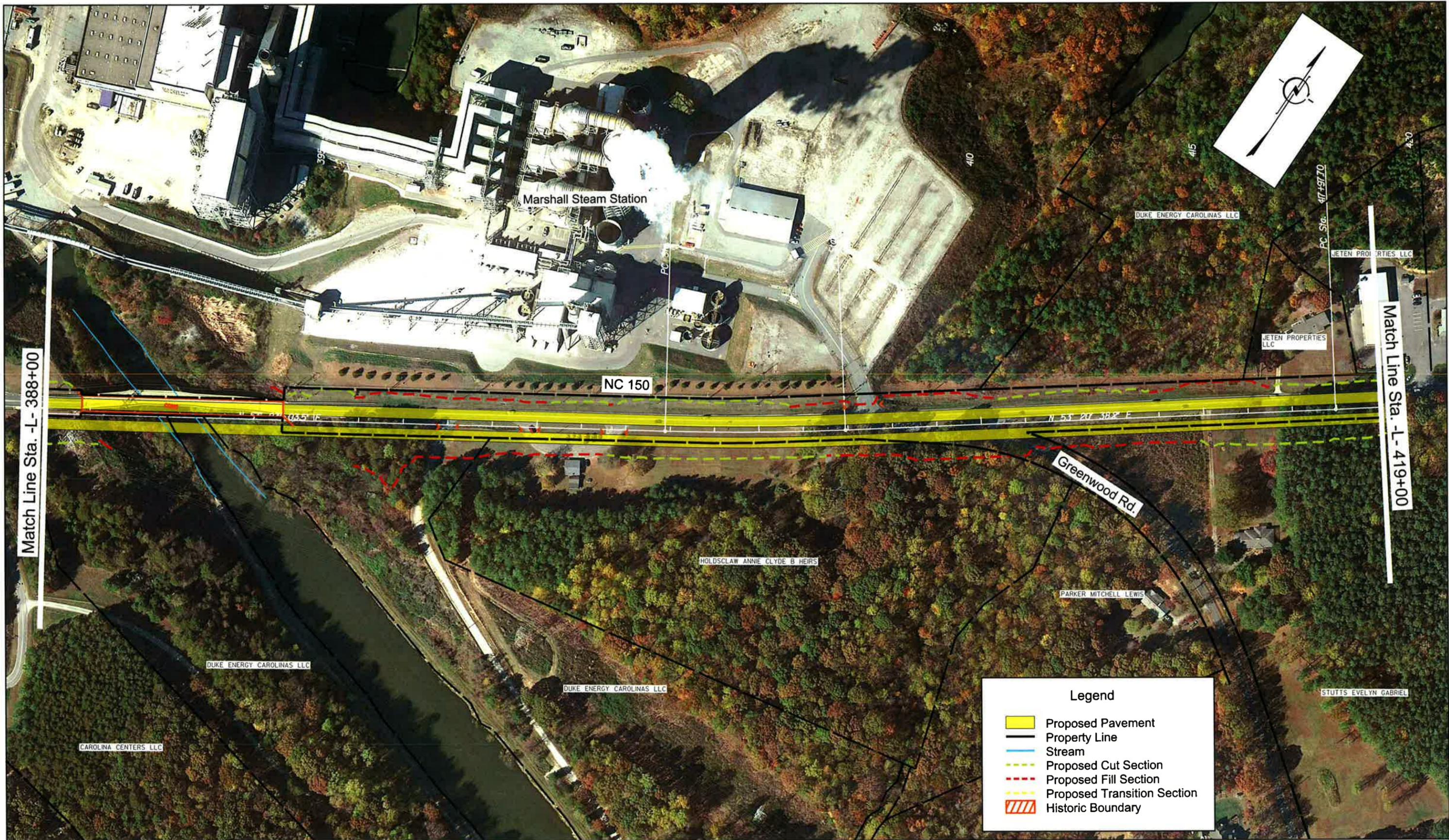
Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 12 of 27





NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 13 of 27



Match Line Sta. -L- 388+00

Match Line Sta. -L- 419+00

Marshall Steam Station

NC 150

Greenwood Rd.

Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



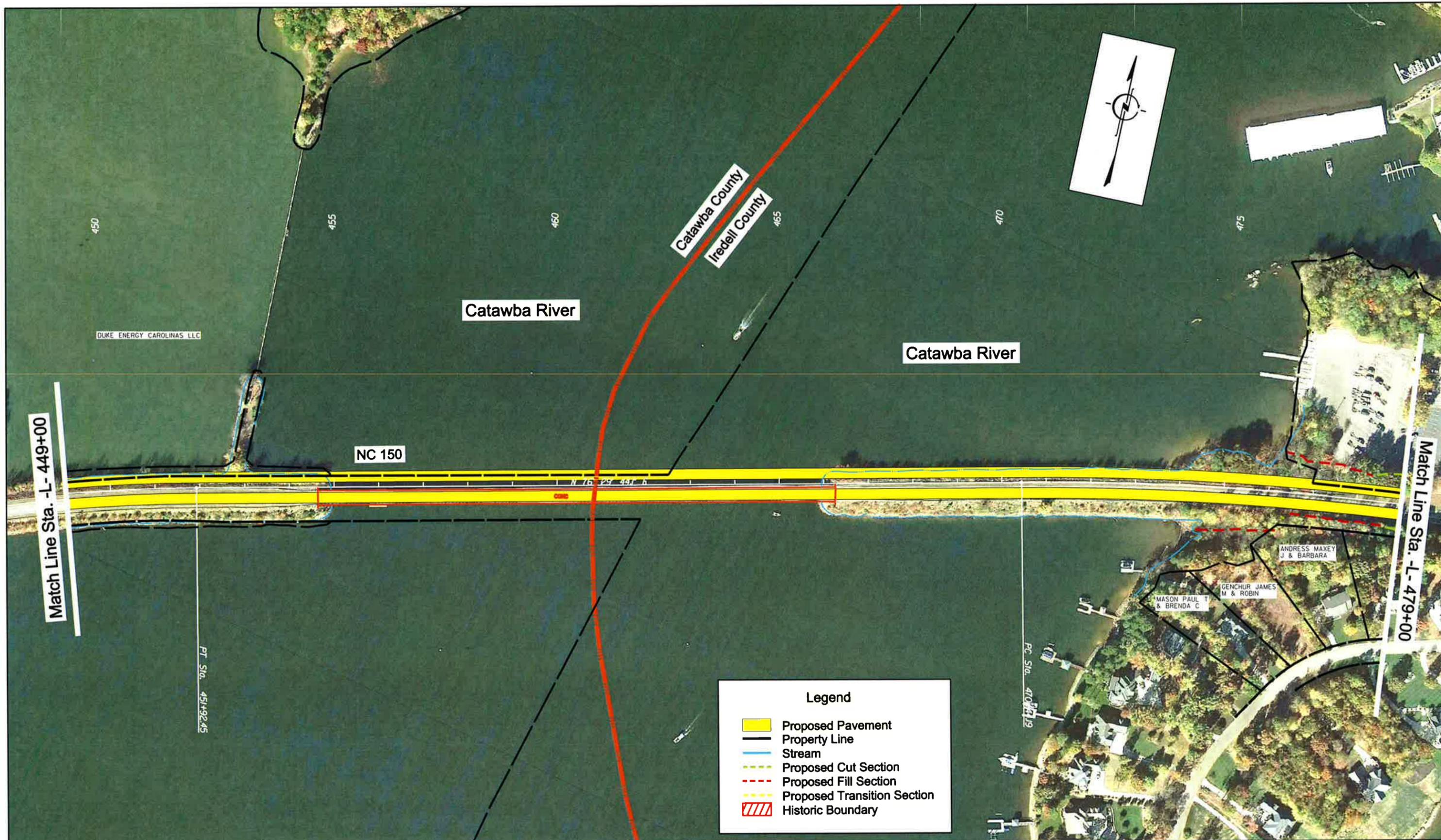
NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 14 of 27



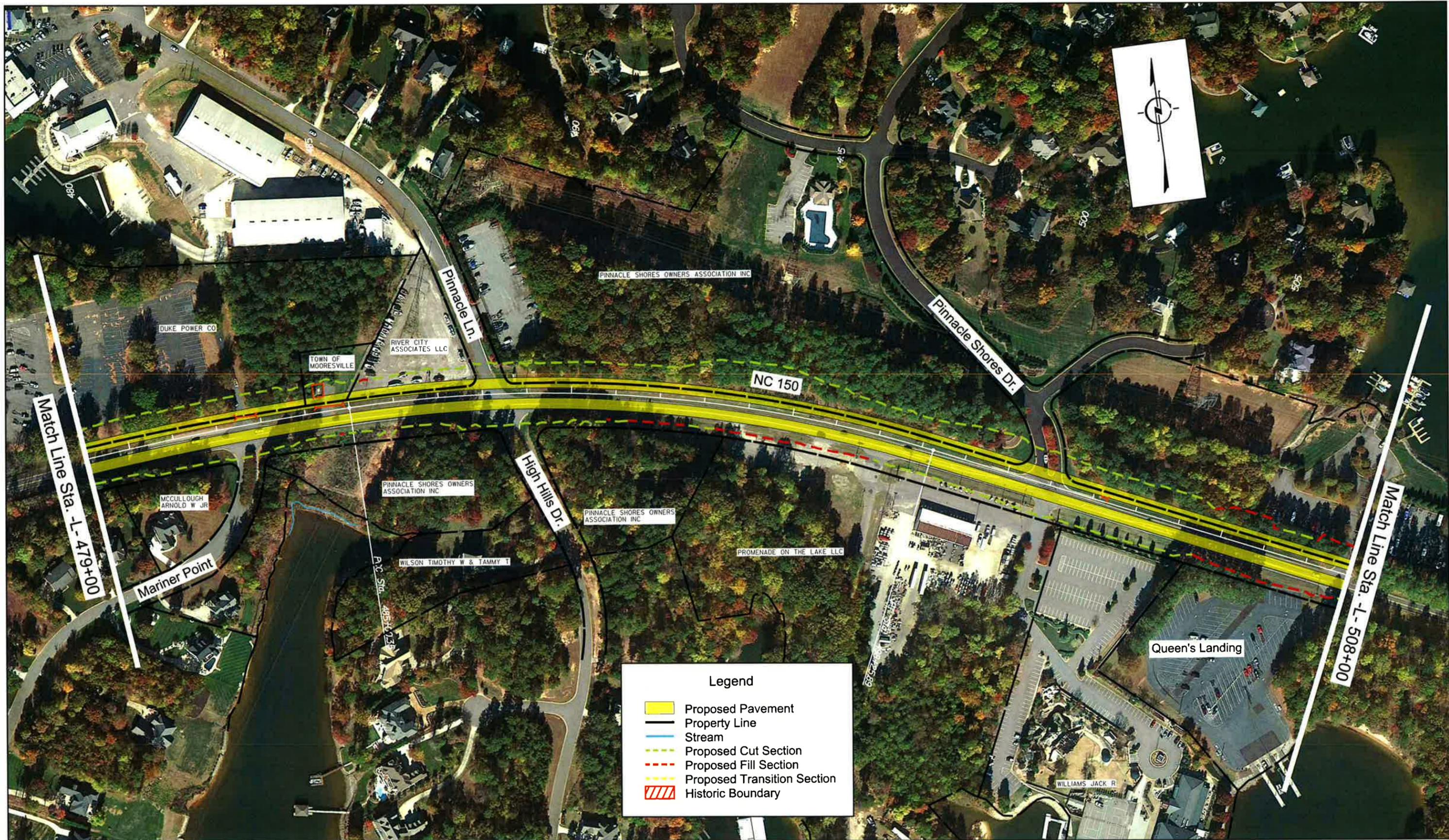
NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 15 of 27



NC 150 Widening
from the NC 16 Bypass in Catawba County
to I-77 in Iredell County
TIP No. R-2307

Functional Design - Alternative 1
Scale = 1" = 200'
Exhibit 16 of 27



Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary

NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 17 of 27





NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 18 of 27



Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary

NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 19 of 27

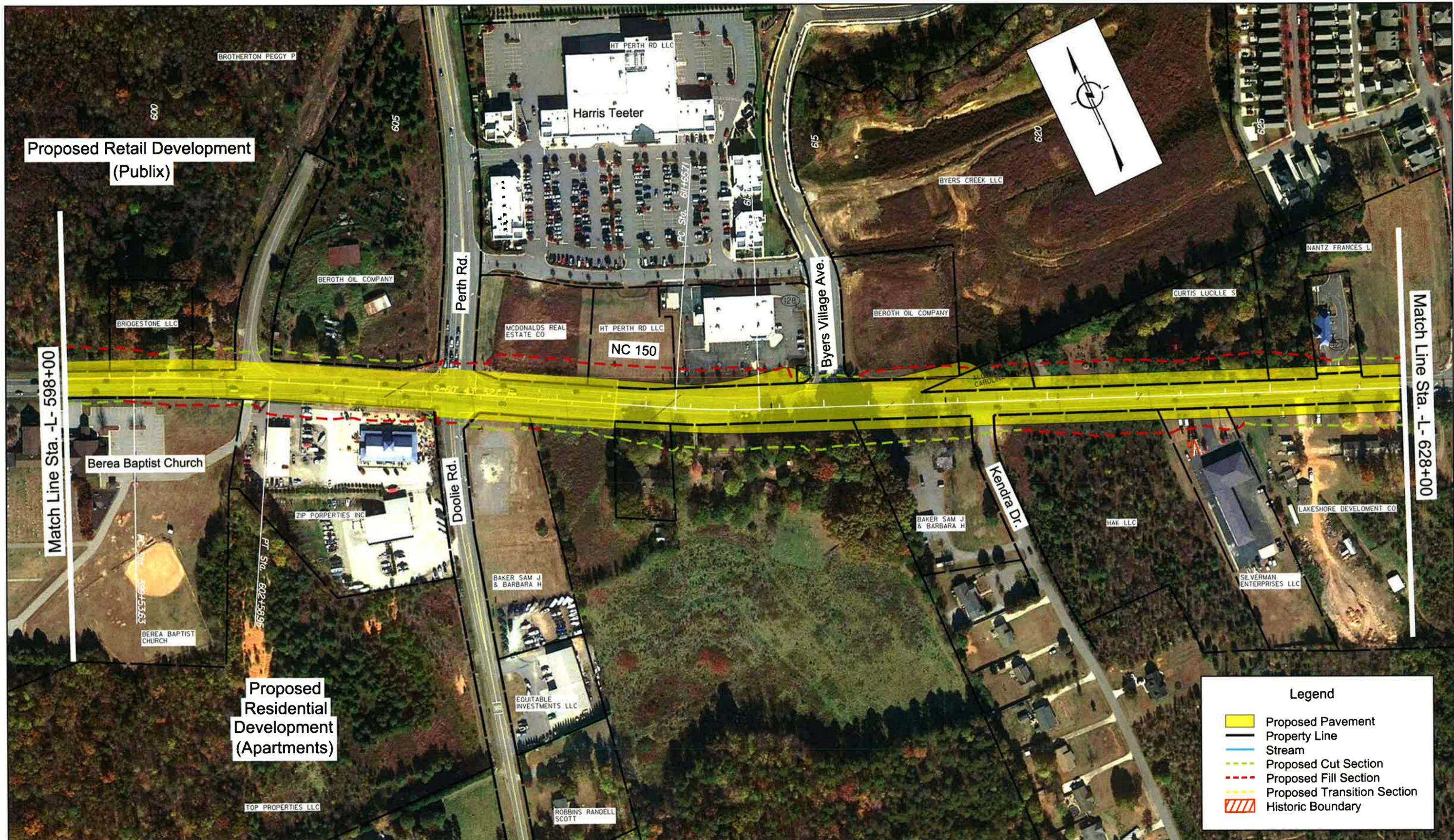




NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 20 of 27





Proposed Retail Development
(Publix)

Proposed Residential
Development
(Apartments)

Match Line Sta. -L- 598+00

Match Line Sta. -L- 628+00

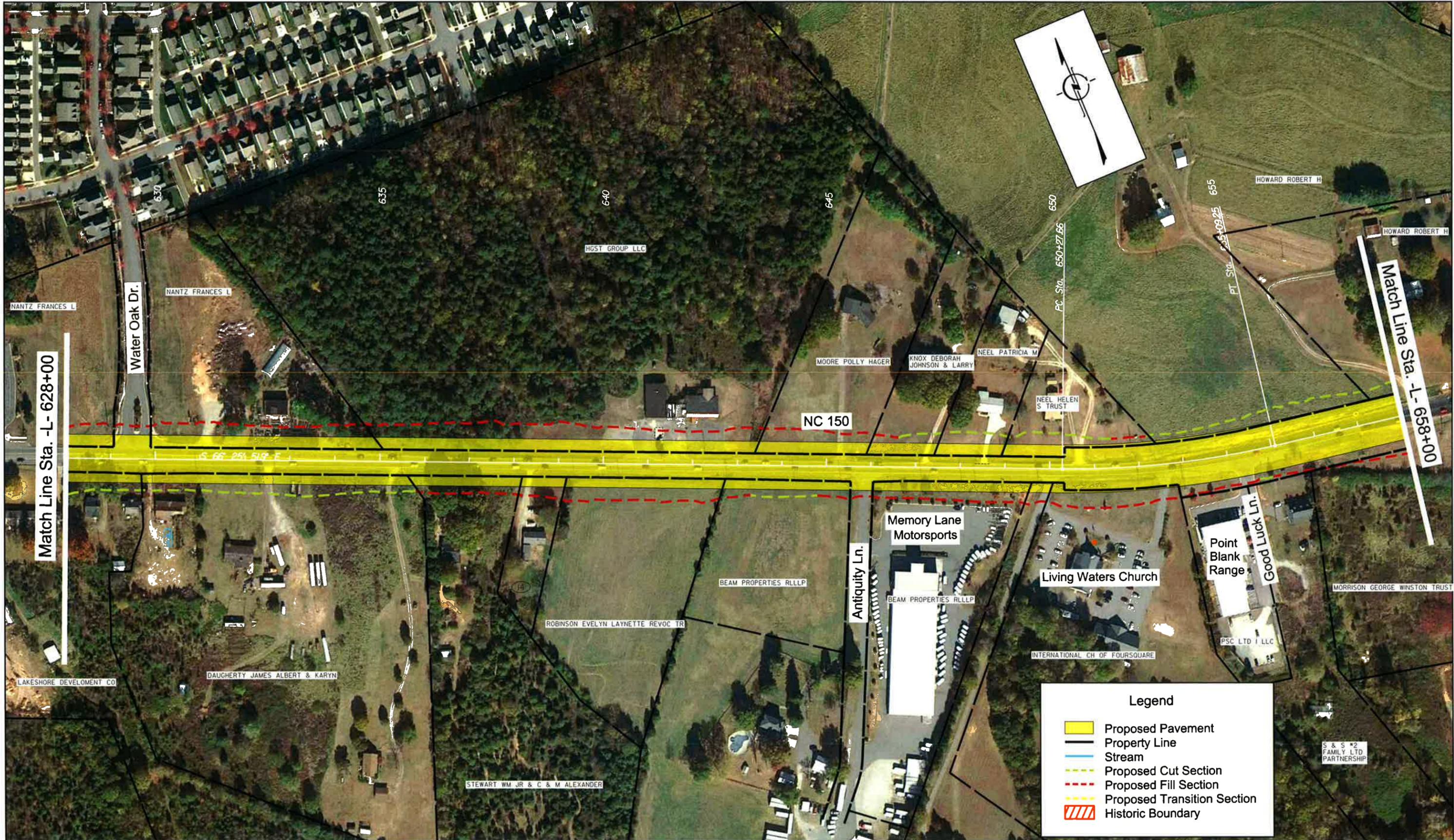
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



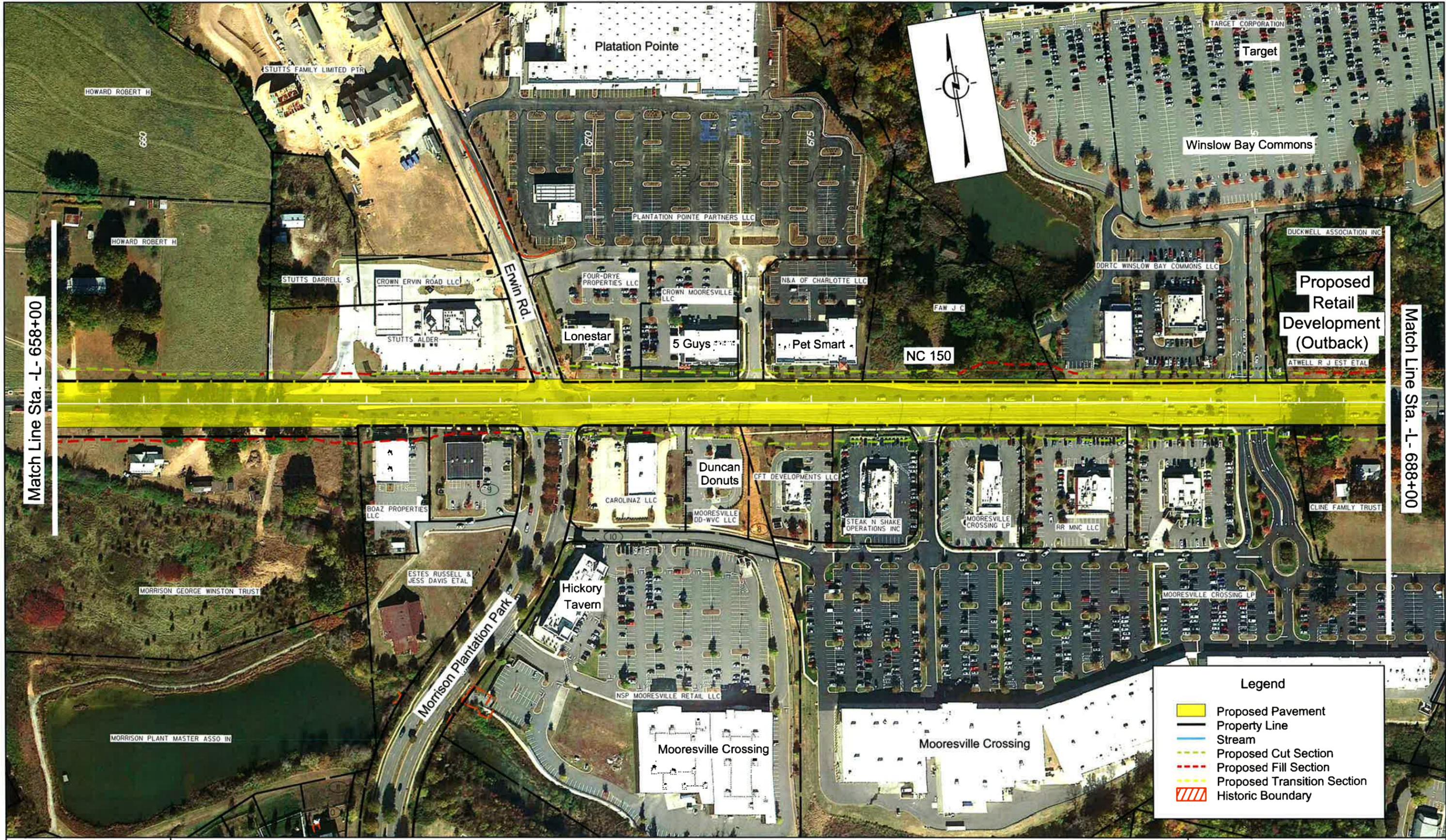
NC 150 Widening
from the NC 16 Bypass in Catawba County
to I-77 in Iredell County
TIP No. R-2307

Functional Design - Alternative 1
Scale = 1" = 200'
Exhibit 21 of 27



NC 150 Widening
from the NC 16 Bypass in Catawba County
to I-77 in Iredell County
TIP No. R-2307

Functional Design - Alternative 1
Scale = 1" = 200'
Exhibit 22 of 27



Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary

NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 23 of 27





NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 24 of 27

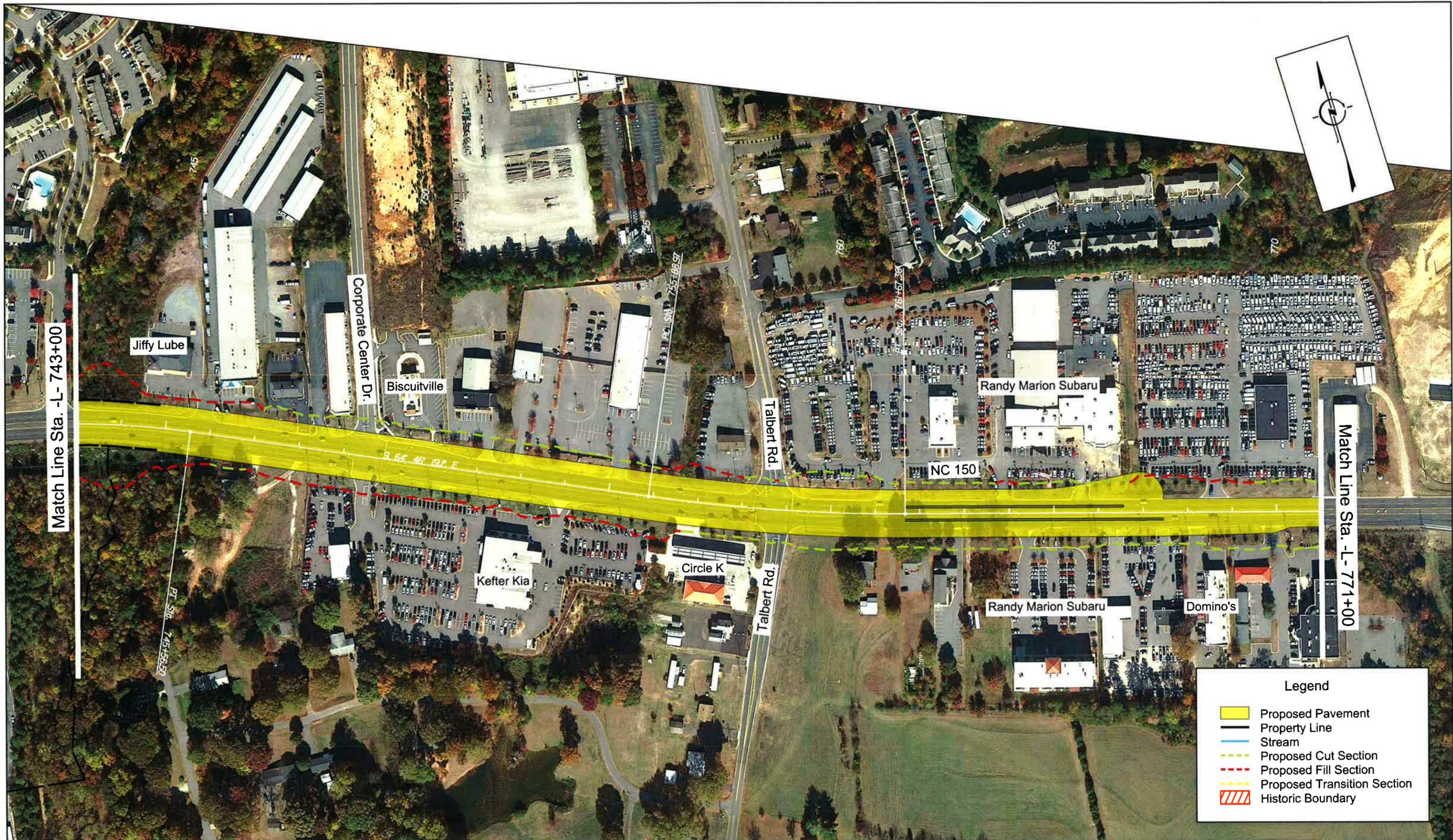




NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 25 of 27





Match Line Sta. -L- 743+00

Match Line Sta. -L- 771+00

Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 26 of 27



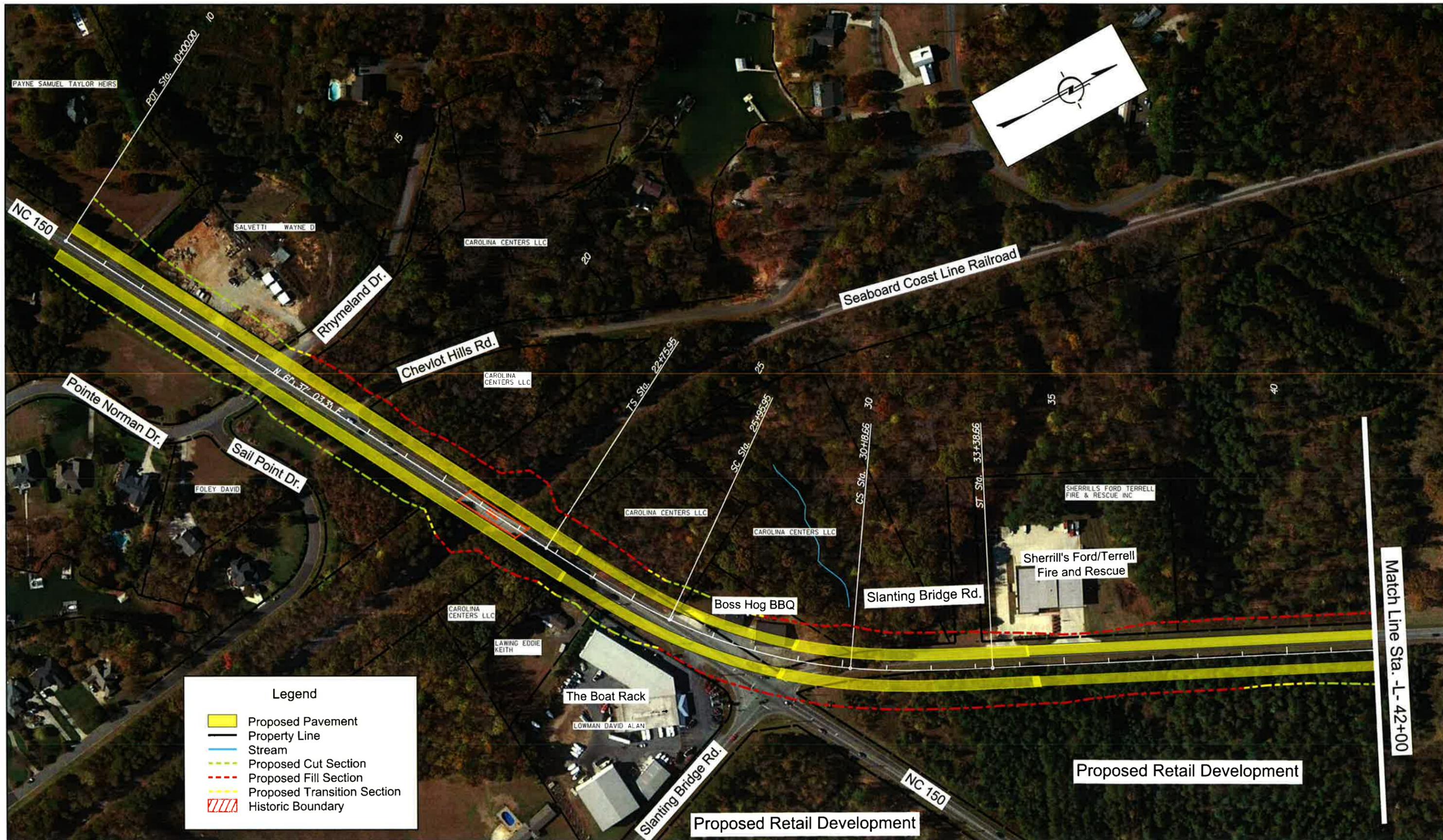
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 1
 Scale = 1" = 200'
 Exhibit 27 of 27



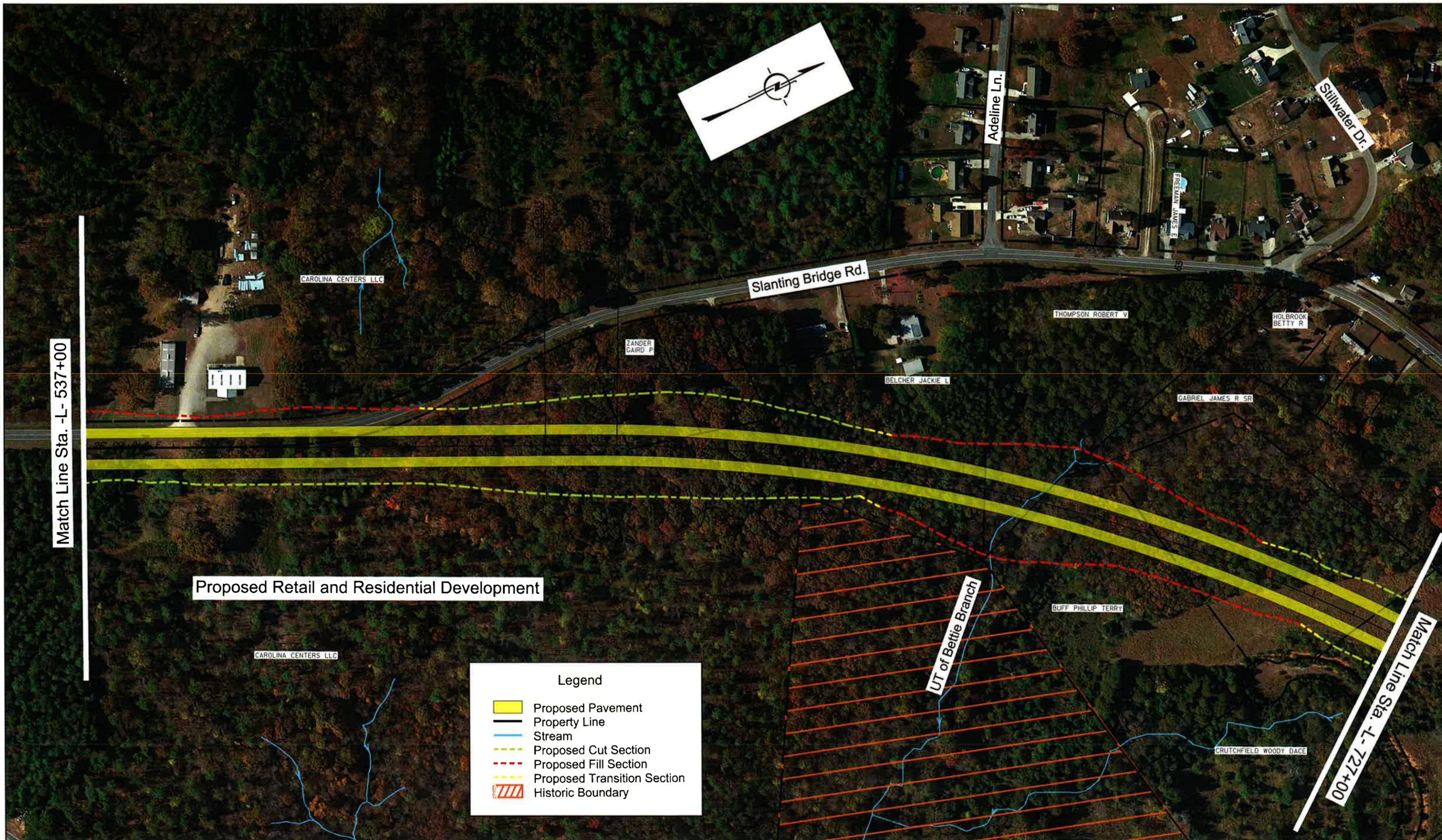
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 2
 Northern Bypass Option
 Scale = 1" = 200'
 Exhibit 1 of 5



Match Line Sta. -L- 537+00

Proposed Retail and Residential Development

Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary

Match Line Sta. -L- 727+00

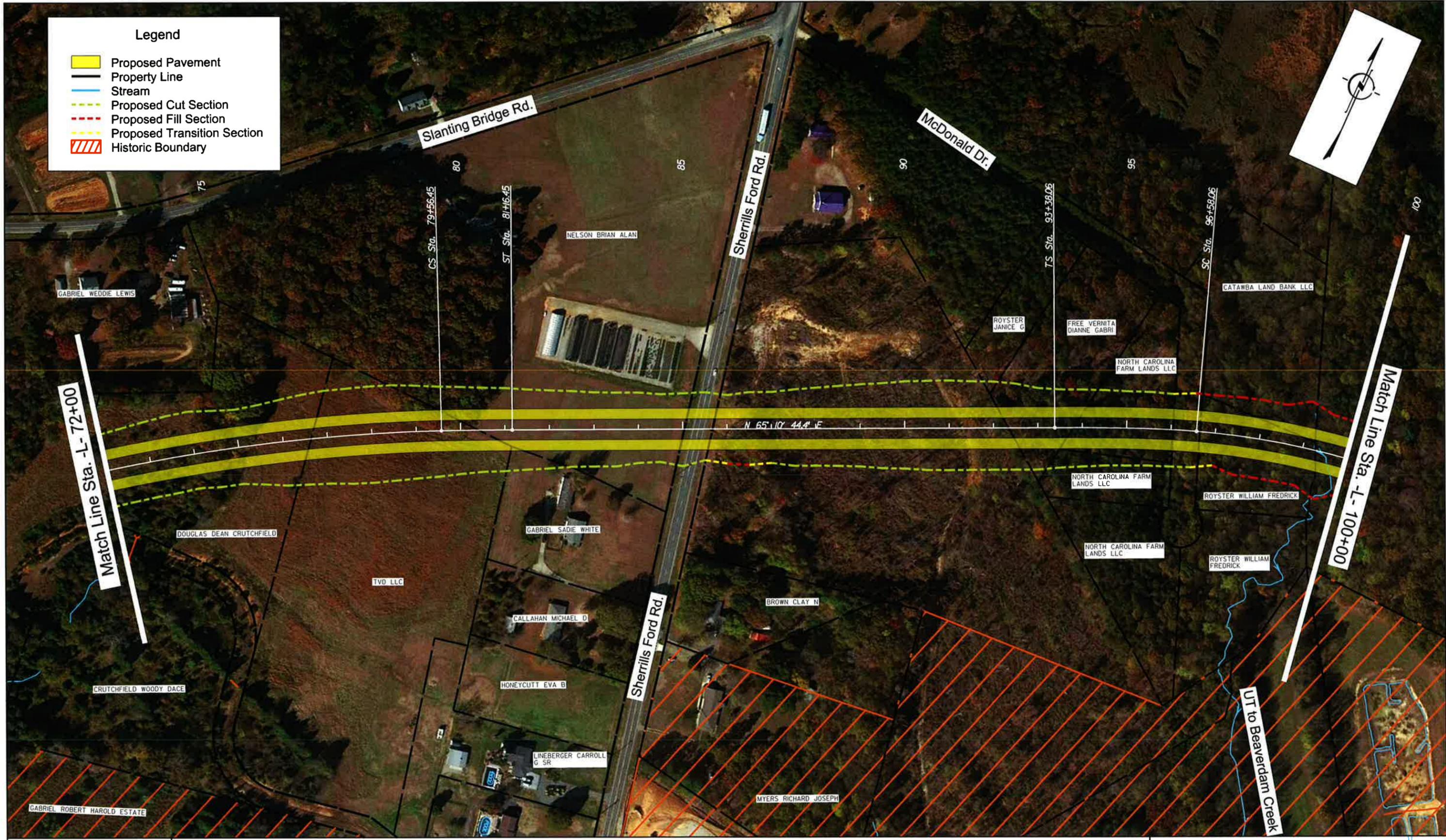


NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 2
 Northern Bypass Option
 Scale = 1" = 200'
 Exhibit 2 of 5

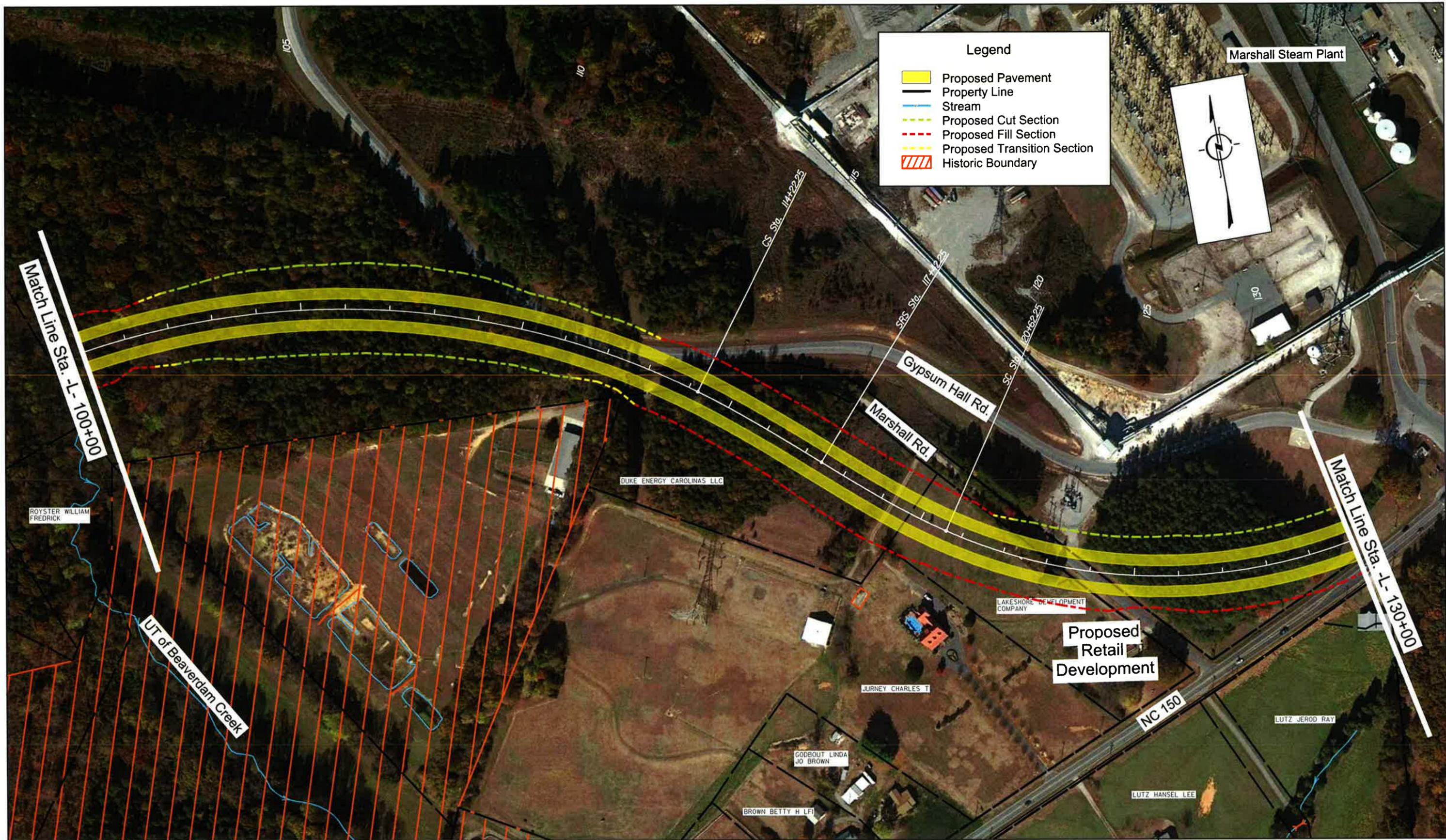
Legend

-  Proposed Pavement
-  Property Line
-  Stream
-  Proposed Cut Section
-  Proposed Fill Section
-  Proposed Transition Section
-  Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 2
 Northern Bypass Option
 Scale = 1" = 200'
 Exhibit 3 of 5



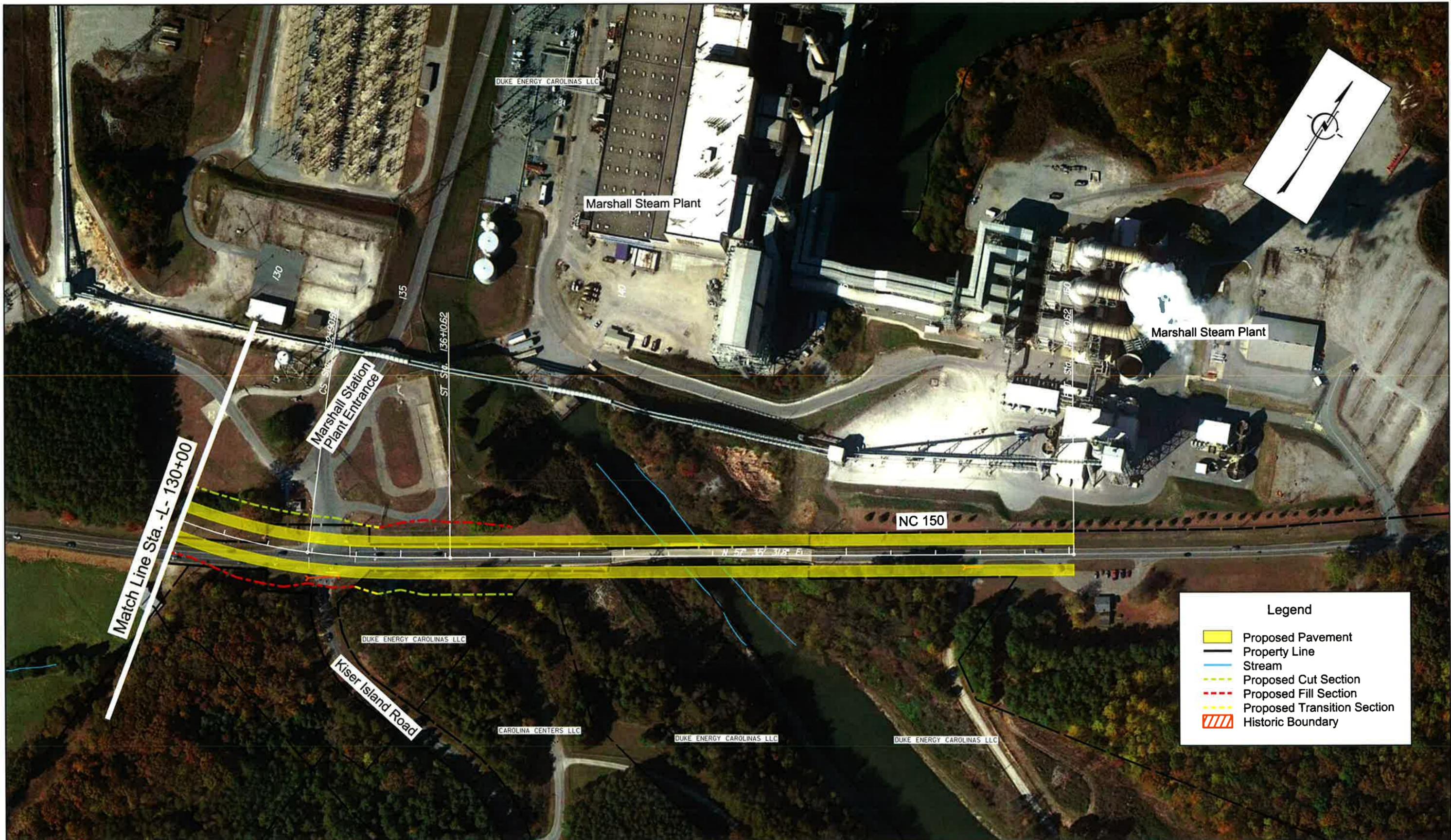
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to -77 in Iredell County
 TIP No. R-2307

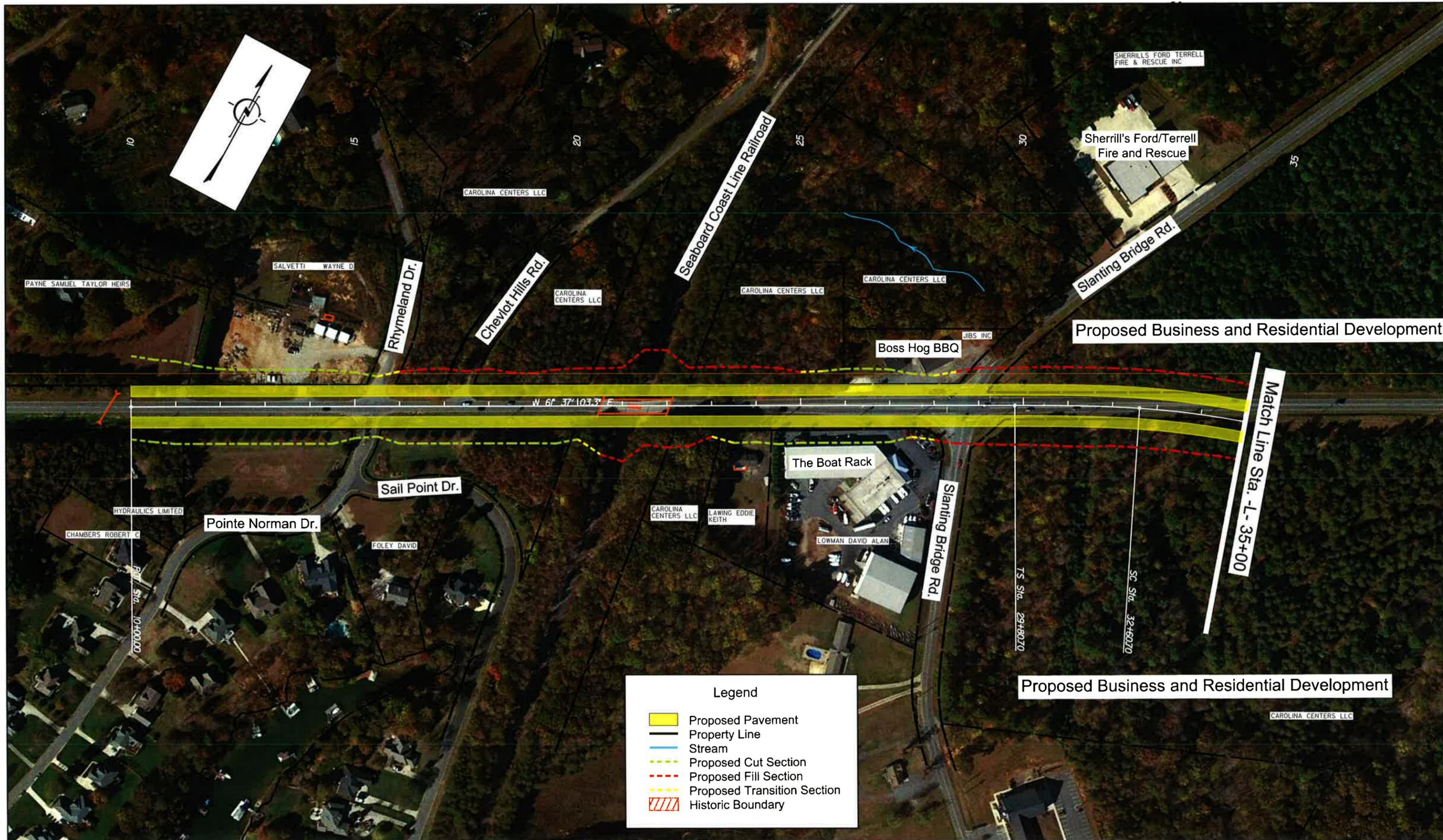
Functional Design - Alternative 2
 Northern Bypass Option
 Scale = 1" = 200'
 Exhibit 4 of 5



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 2
 Northern Bypass Option
 Scale = 1" = 200'
 Exhibit 5 of 5





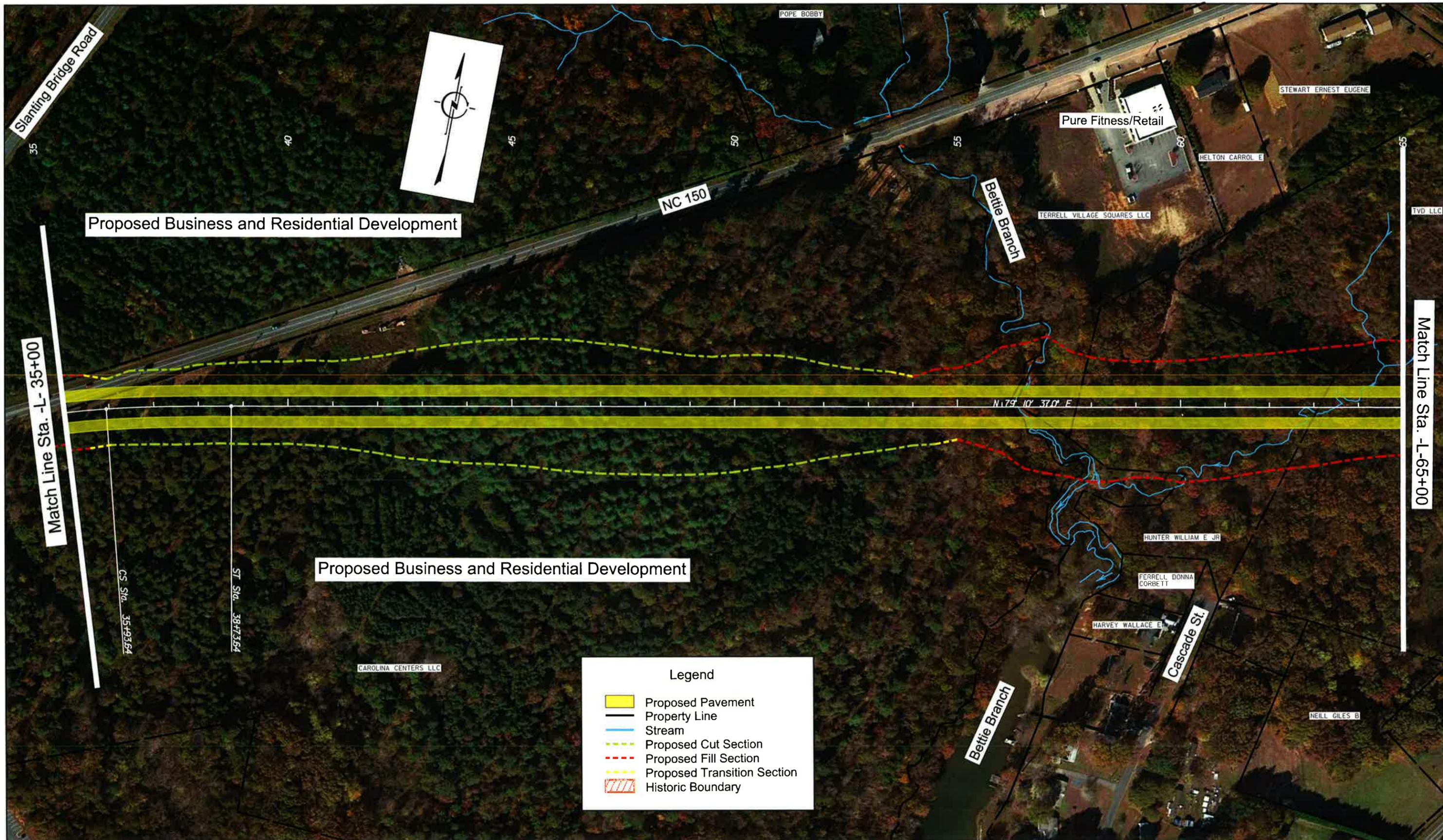
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary

NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 3
 Mimimization of Impacts Option
 Scale = 1" = 200'
 Exhibit 1 of 5





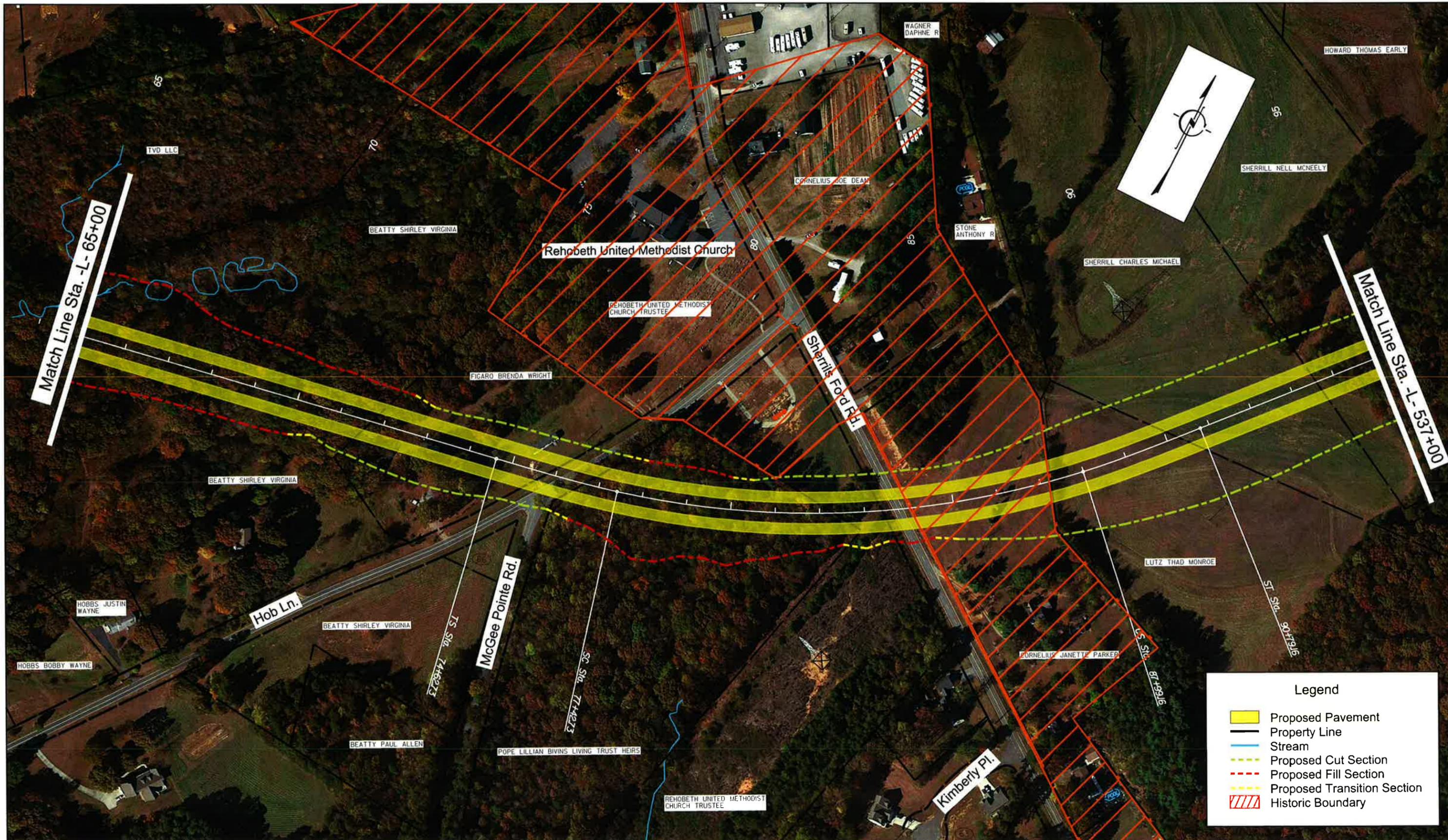
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



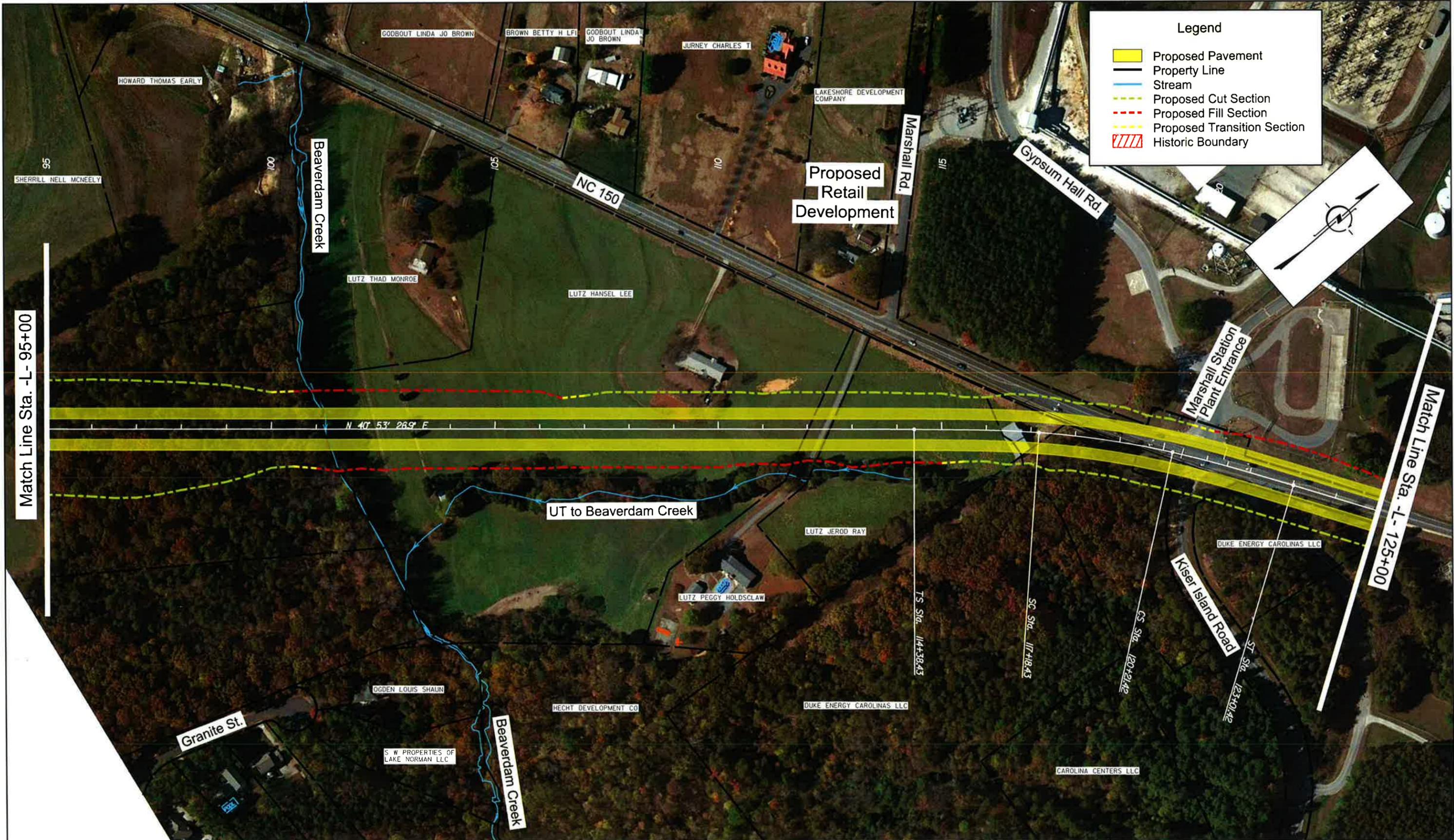
NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 3
 Mimimization of Impacts Option
 Scale = 1" = 200'
 Exhibit 2 of 5



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 3
 Mimimization of Impacts Option
 Scale = 1" = 200'
 Exhibit 3 of 5



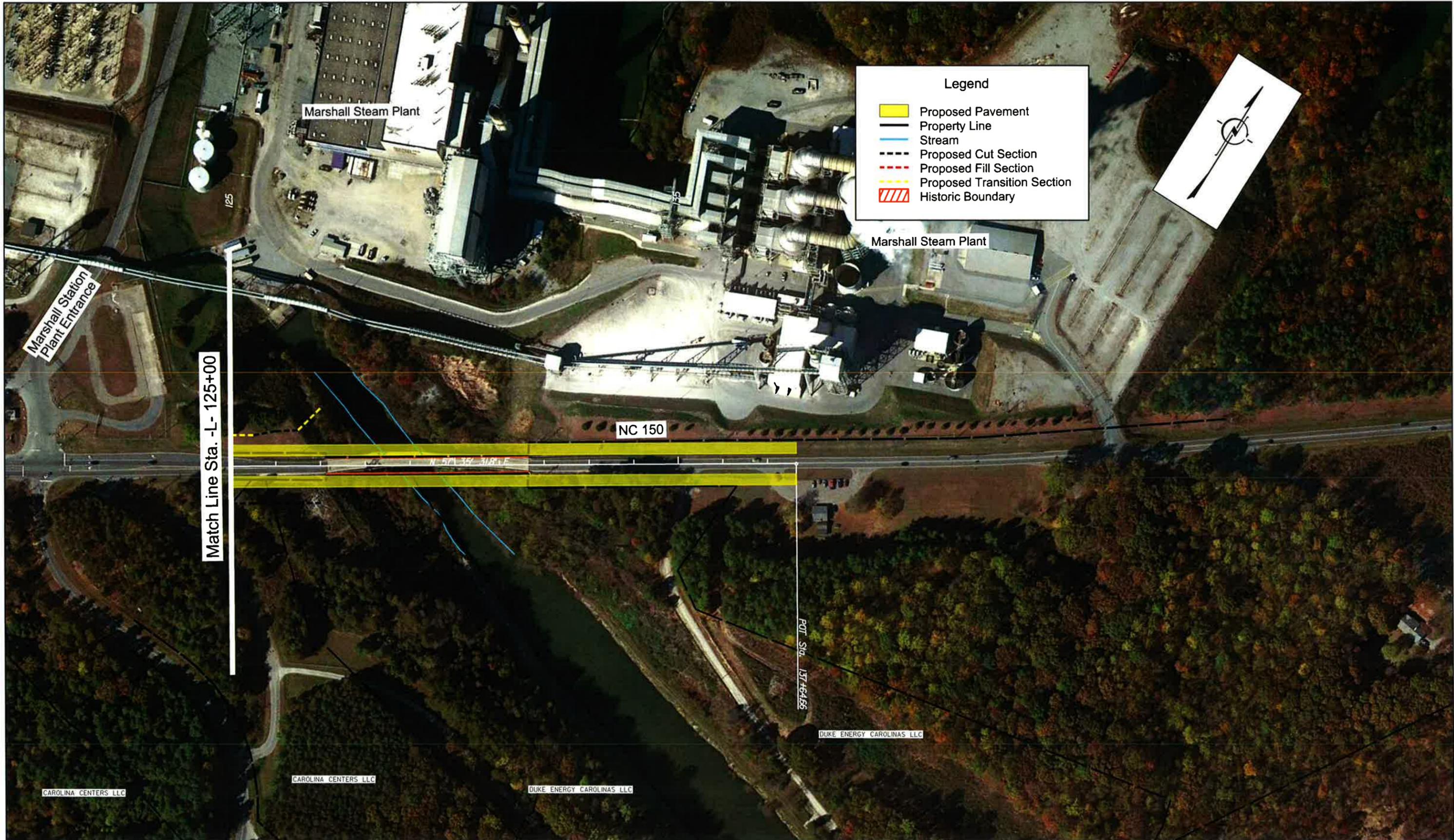
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



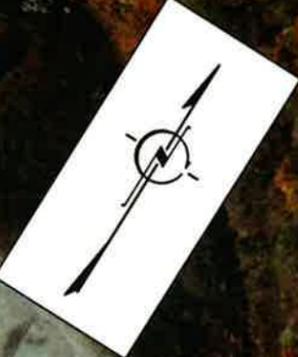
NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 3
 Mimimization of Impacts Option
 Scale = 1" = 200'
 Exhibit 4 of 5



Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

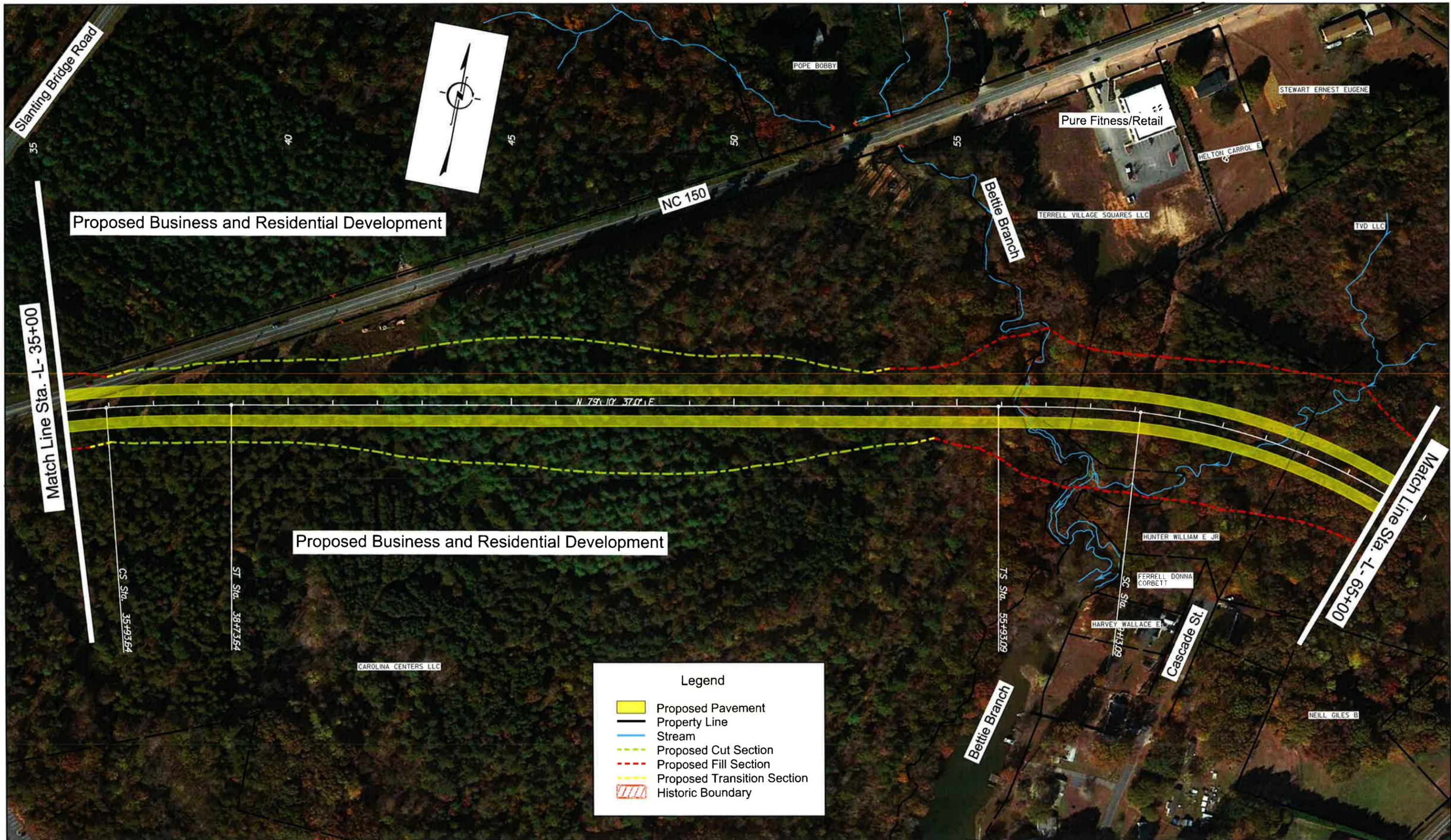
Functional Design - Alternative 3
 Mimimization of Impacts Option
 Scale = 1" = 200'
 Exhibit 5 of 5



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 4
 Southern Bypass Option
 Scale = 1" = 200'
 Exhibit 1 of 5





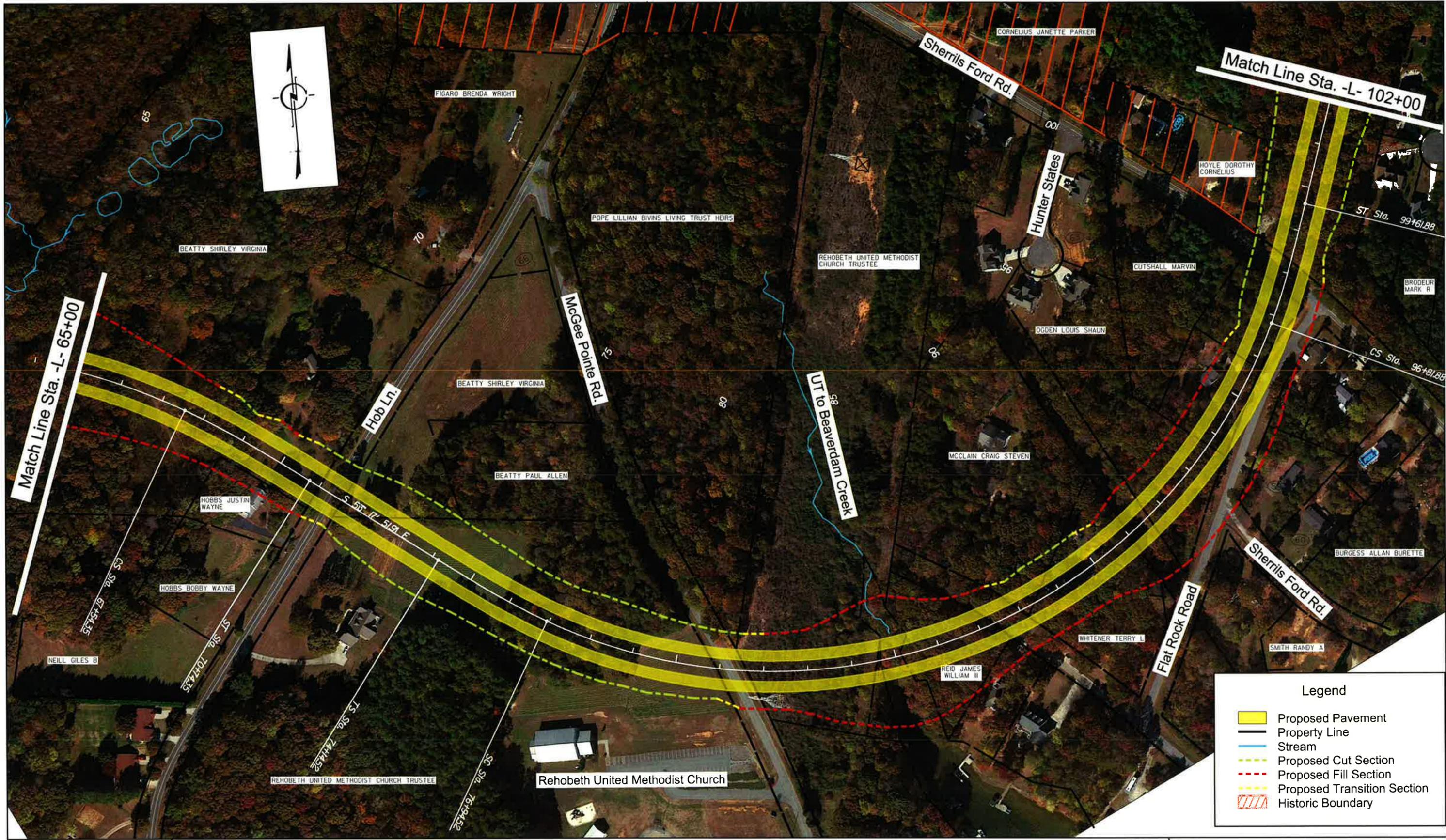
Legend

- Proposed Pavement
- Property Line
- Stream
- Proposed Cut Section
- Proposed Fill Section
- Proposed Transition Section
- Historic Boundary



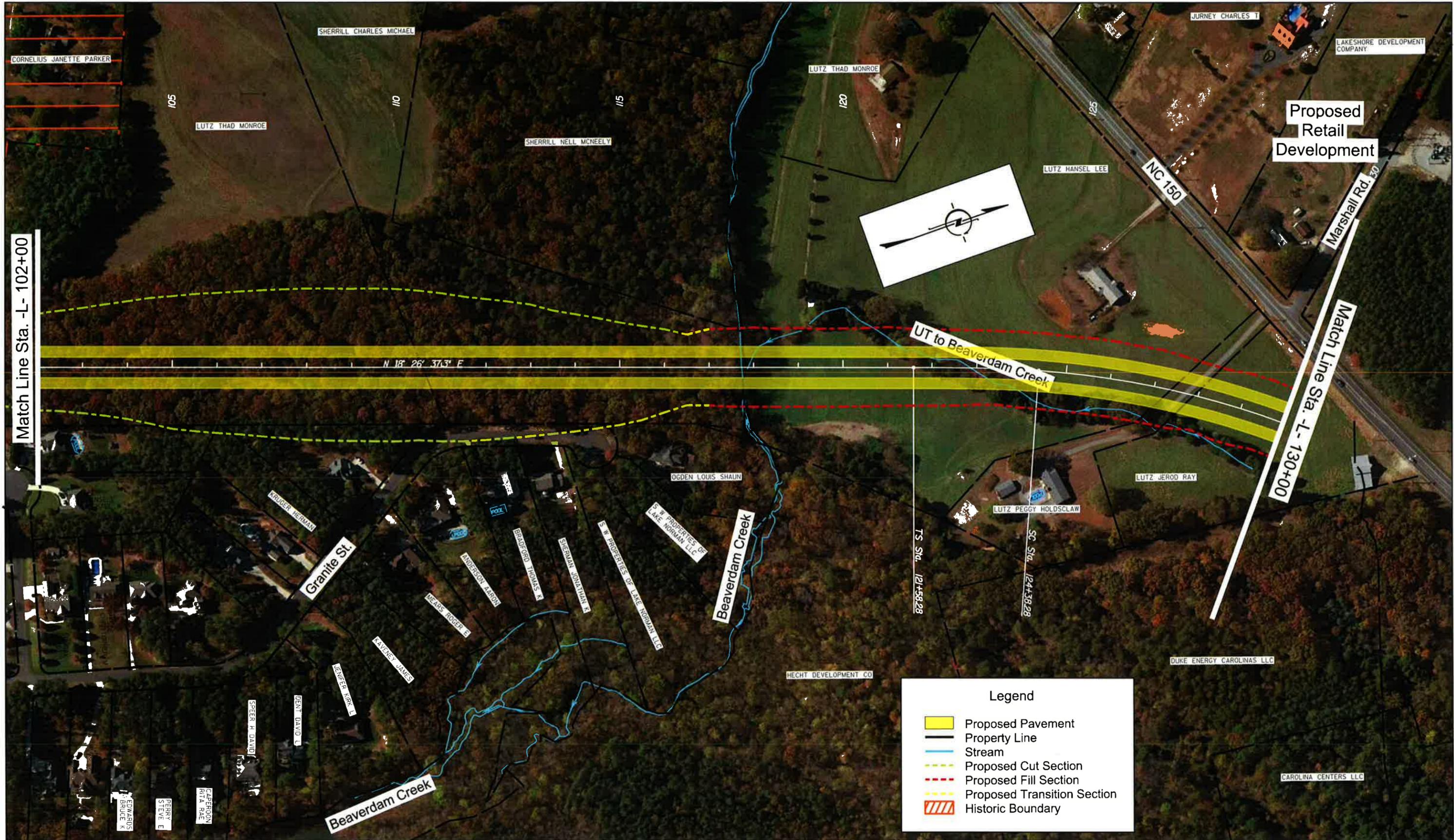
NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 4
 Southern Bypass Option
 Scale = 1" = 200'
 Exhibit 2 of 5



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

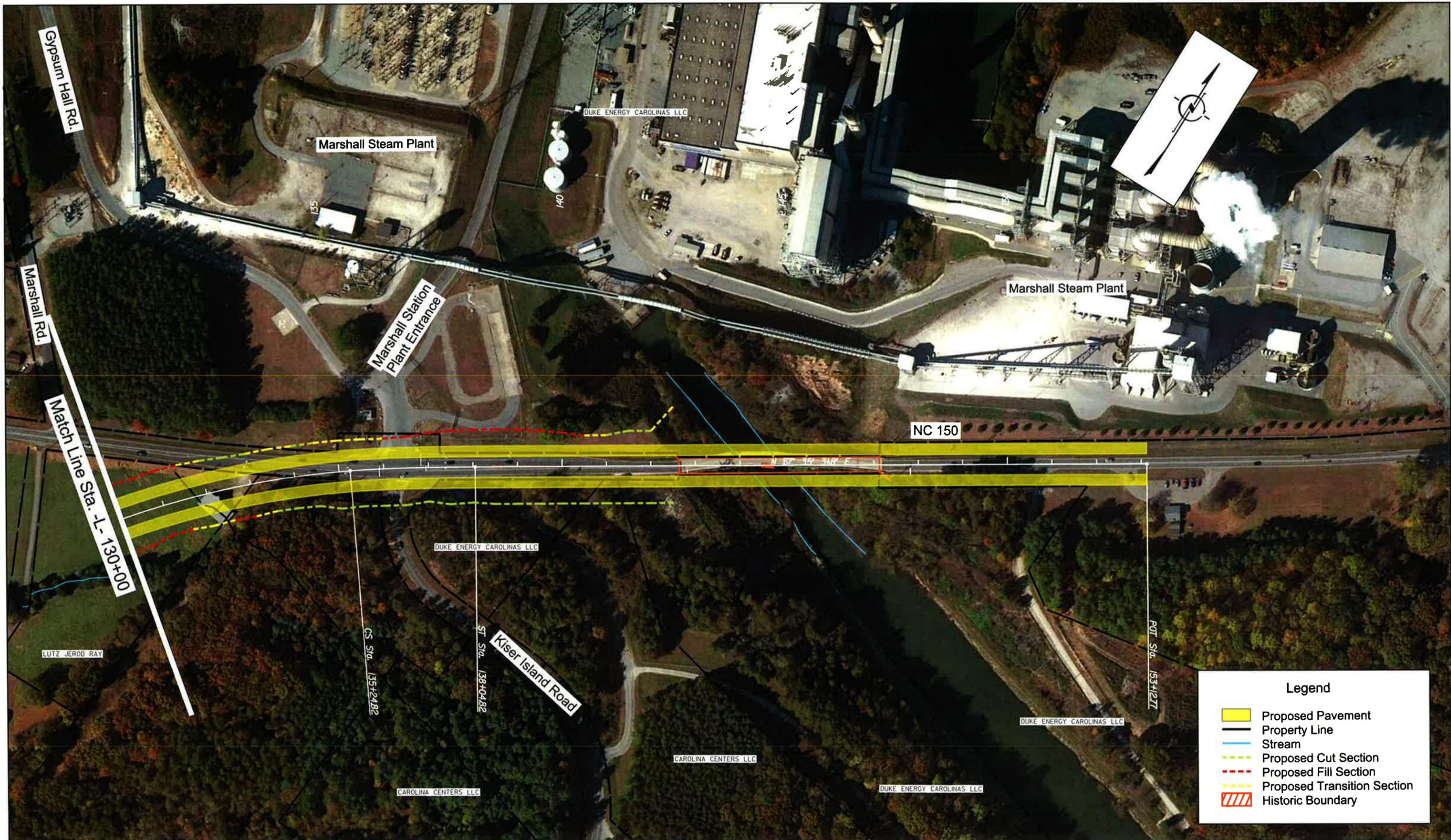
Functional Design - Alternative 4
 Southern Bypass Option
 Scale = 1" = 200'
 Exhibit 3 of 5



NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 4
 Southern Bypass Option
 Scale = 1" = 200'
 Exhibit 4 of 5





NC 150 Widening
 from the NC 16 Bypass in Catawba County
 to I-77 in Iredell County
 TIP No. R-2307

Functional Design - Alternative 4
 Southern Bypass Option
 Scale = 1" = 200'
 Exhibit 5 of 5