



# URBAN ENGINEERING, INC.

CIVIL ENGINEERS • LAND PLANNERS

November 7, 2024

Knoxville / Knox County Planning  
Mike Reynolds, AICP  
Suite 403, City County Building  
400 Main Street  
Knoxville, TN 37902

**Re: 8014 Asheville Highway (11-SG-24-C / 11-J-24-DP)**

Dear Mike:

The following is a list of our Alternative Design Standard requests:

Road A:

1. Increase the centerline grade from 1% to 2.05% for Road A at its intersection with Road D.

Road B:

1. Increase the centerline grade from 1% to 2% for Road B at its intersection with Road A.
2. Reduce the centerline radius from 250' to 150' between stations 8+75.68 & 9+53.34.
- ~~5. Reduce the K value from 25 to 20 between stations 9+46.10 & 10+41.40.~~

Road C:

1. Reduce the right of way width from 50' to 40' (public road).
2. Reduce the centerline radius from 250' to 150' between stations 0+64.36 & 0+80.99.3. Reduce the centerline radius from 250' to 150' between stations 2+23.89 & 4+31.09.4. Increase the centerline grade from 1% to 1.95% at road C intersection with road B.



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## Road D:

1. Reduce the centerline radius from 250' to 125' between stations 0+53.33 & 0+72.06.
2. Reduce the centerline radius from 250' to 125' between stations 0+86.85 & 2+39.83.
3. Reduce the centerline radius from 250' to 200' between stations 12+64.81 & 15+75.54.
4. Increase the centerline grade from 1% to 2% at road D intersection with road C.

## Road E:

1. Reduce the centerline radius from 250' to 175' between stations 1+47.63 & 4+08.25.
2. Reduce the centerline radius from 250' to 200' between stations 4+21.08 & 5+25.65.
3. Reduce the centerline radius from 250' to 200' between stations 6+14.53 & 7+18.68.
4. Reduce the centerline radius from 250' to 200' between stations 8+05.20 & 8+73.31.
5. Increase the centerline grade from 1% to 2% at road E intersection with road A.

## Road F:

1. Increase the centerline grade from 1% to 2% at road F intersection with road E. Please do not hesitate to contact me if you have questions or need additional information.

Sincerely,

Urban Engineering, Inc.

Chris Sharp, P.E.