



Alternative Design Standards

The minimum design and performance standards shall apply to all subdivisions unless an alternative design standard is permitted within Article 3 Section 3.01.D, Application of Alternative Design Standards, or Article 4.01.C, Street Standards (within Hillside and Ridgetop Areas).

There are some alternative design standards that require Planning Commission approval, and some that can be approved by the Engineering Departments of the City or County. However, the City or County Engineering Departments, as applicable, will provide review comments on any alternative design proposed. These comments will be provided during the review process.


Alternative Design Standards Requiring Planning Commission Approval

- Section 3.03.B.2 - Street frontage in the PR (Planned Residential) zone, Knox County
- Section 3.03.E.1.e – Maximum grade of private right-of-way
- Section 3.03.E.3.a – Pavement width reduction, private rights-of-way serving 6 or more lots
- Section 3.04.H.2 – Maximum grade, public streets
- Section 3.04.I.1.b.1 – Horizontal curves, local streets in Knox County

Alternative Design Standards Approved by the Engineering Departments of the City of Knoxville or Knox County

- Section 3.03.E.3.a – Right-of-way width reduction, private rights-of-way serving 6 or more lots
- Section 3.04.A.3.c – Right-of-way dedication, new subdivisions
- Section 3.04.F.1 – Right-of-way reduction, local streets
- Section 3.04.G.1 – Pavement width reduction, local streets
- Section 3.04.H.3 – Intersection grade, all streets
- Section 3.04.J.2 – Corner radius reduction in agricultural, residential, and office zones
- Section 3.04.J.3 – Corner radius reduction in commercial and industrial zones
- Section 3.11.A.2 – Standard utility and drainage easement

By signing this form, I certify that the criteria for a variance have been met for each request, and that any and all requests needed to meet the Subdivision Regulations are requested above or are attached. I understand and agree that no additional variances can be acted upon by the legislative body upon appeal and none will be requested.


Signature

DAVID HARBIN
Printed Name

8/19/24
Date

For each alternative design standard requested, identify how the proposed alternative design either meets the intent of the standard in the Subdivision Regulations or meets an alternative, nationally recognized engineering standard such as The American Association of State Highway and Transportation Officials (AASHTO) or Public Right-of-Way Accessibility Guidelines (PROWAG).

1. ALTERNATIVE DESIGN STANDARD REQUESTED:

INTERSECTION Roadway Grades from 1.00% to 3.00%
STA 0 + 13 TO STA 0 + 55 ROAD "B"

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

2. ALTERNATIVE DESIGN STANDARD REQUESTED:

INTERSECTION ROADWAY Grades from 1.00% to 2.38%
STA 0 + 13 to STA 2 + 66 ROAD "D"

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

3. ALTERNATIVE DESIGN STANDARD REQUESTED:

ROADWAY Grade from 12.00% to 15%
STA 1 + 30 to STA 6 + 00 ROAD "F"

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

4. ALTERNATIVE DESIGN STANDARD REQUESTED:

Intersection Roadway Grades from 1.00% to 2.00%
STA 0+13 to STA 1+00 ROAD "E"

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

5. ALTERNATIVE DESIGN STANDARD REQUESTED:

Intersection Roadway grades from 1.00% to 3%
STA 0+10 to STA 1+30 "ROAD" F

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

6. ALTERNATIVE DESIGN STANDARD REQUESTED:

INTERSECTION ROADWAY Grades from 1.00% to 2.75%
STA 6+00 to STA 7+89 ROAD "F"

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

7. ALTERNATIVE DESIGN STANDARD REQUESTED:

Right-of-way width for all Private and public Roads
From 50' to 40'

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

8 ALTERNATIVE DESIGN STANDARD REQUESTED:

Reducing LOT frontage from 25' to 22'

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments:

ALTERNATIVE DESIGN STANDARD REQUESTED:

Approval required by: Planning Commission Engineering

Engineering supports the alternative design standard requested

(to be completed during review process): YES NO

Engineering Comments: