

Connectivity Code

Review Process

Step 1: Determine the Overall Density of the proposal:

$$\frac{\text{Total \# of Units}}{\text{Total Acreage}} = \text{Project Density}$$

Step 2: Determine minimum connectivity score by referring to table

Density	Minimum Connectivity Index Score
0 - 2.5 DU/AC	1.5
2.5 - 4 DU/AC	1.6
4+ DU/AC	1.75

Step 3: Calculate the connectivity score

- Highlight each Intersection (where two or roads meet) these are “Nodes” ◆
- Count all road segments (a road segment goes from Node to Node) these are “Links” —
 - This includes roads that connect (or stub) outside of the project
- Highlight any mid-block pedestrian connection - - -
- Make note of any improved parks □

The Below neighborhood (inside the red-dashed line) has:

- 16 Intersections/Nodes
- 40 Road Segments/Links
- 1 Pedestrian Connection
- 1 Amenitized Park
- Connectivity Score = 2.55
 - 40.75 Links
 - 40 Road Segments
 - ½ link from Pedestrian connection



- 1/2 link from park
- 16 Nodes
- $40.75/16 = 2.55$

Step 4: Determine if connectivity score meets density minimum (2.55 Does meet for any project)

Step 5: Determine what the maximum block length is based on density by referring to table:

Density	Maximum Block Length
0 - 2.5 DU/AC	1,000 ft
2.5 - 4 DU/AC	800 ft
4+ DU/AC	600 ft

Step 6: Measure all block lengths (node to node) and determine if road lengths comply with this standard

Step 7: Are there any Cul-De-Sacs? If so ensure that they are under the maximum length for the project density by referring to this table:

Density	Maximum Cul-de-sac Length
0 - 2.5 DU/AC	400 ft
2.5+ DU/AC	250 ft

Step 8: If there are Cul-De-Sacs are they present due to one of the following limitations?

1. Topography (that prevents a through road)
2. Natural Features (Lakes, Rivers, Wetlands) that would be disturbed by a through road
3. Existing adjacent development doesn't provide a road to stub into
4. Rail Corridor(s) prevent roadway connecting through
5. Limit Access Roadway doesn't permit connection in the location

Step 9: Approval or Denial. If the proposed development meets or exceeds the minimum connectivity index, and block lengths are under the maximum road length standard, and any cul-de-sacs that are proposed meet one or more of the five conditions then project complies with connectivity standards and should be approved.