FOREST CONSERVATION WORKSHEET

Net Tract Area

- **A.** *Total Tract Area*
- **B.** *Deductions* (Critical Area, area restricted by local ordinance or program)
- **C.** *Net Tract Area*   Net Tract Area = Total Tract (A) - Deductions (B)

A=
B=
C=

Land Use Category: Medium Density Residential
- **D.** *Afforestation Threshold* (Net Tract Area [C] x ____%)
- **E.** *Conservation Threshold* (Net Tract Area [C] x ____%)

D =
E=

Existing Forest Cover
- **F.** *Existing Forest Cover within the Net Tract Area*
- **G.** *Area of Forest Above Conservation Threshold*
  If the Existing Forest Cover (F) is greater than the Conservation Threshold (E), then G = F – E; otherwise G = 0.

F=
G=

Breakeven Point
- **H.** *Breakeven Point* (Amount of forest that must be retained so that no mitigation is required)
  - (1) If the Area of Forest Above Conservation Threshold (G) is <u>greater than</u> 0, then H = (0.2 x the Area of Forest Above Conservation Threshold (G)) + the Conservation Threshold (E);
  - (2) If the Area of Forest Above Conservation Threshold (G) is <u>equal to</u> 0, then H= Existing Forest Cover (F)

H=

- **I.** *Forest Clearing Permitted Without Mitigation*
  I = Existing Forest Cover (F) – Breakeven point (H)

I=

Proposed Forest Clearing
- **J.** *Total Area of Forest to be Cleared*

J=

- **K.** *Total Area of Forest to be Retained*
  K = Existing Forest Cover (F) – Forest to be Cleared (J)

K=

Planting Requirements
If the Total Area of Forest to be Retained (K) is <u>at or above</u> the Breakeven Point (H), <u>no planting is required, and no further calculations are necessary</u> (L=0, M=0, N=0, P=0, Q=0, R=0).
Otherwise, calculate the planting requirement(s) as follows:
- **L.** *Reforestation for Clearing Above the Conservation Threshold*
  - (1) If the Total Area of Forest to be Retained (K) is <u>greater than</u> the Conservation Threshold (E), then L = the Area of Forest to be Cleared (J) x 0.25;
  - (2) If the Forest to be Retained (K) is <u>less than or equal to</u> the Conservation Threshold (E), then L = Area of Forest Above Conservation Threshold (G) x 0.25

L=

- **M.** *Reforestation for Clearing Below the Conservation Threshold*
  - (1) If Existing Forest Cover (F) is <u>greater than</u> the Conservation Threshold (E) <u>and</u> the Forest to be Retained (K) is <u>less than or equal to</u> the Conservation Threshold (E), then M = 2.0 x (Conservation Threshold (E) – Forest to be Retained (K))
  - (2) If Existing Forest Cover (F) is <u>less than or equal to</u> the Conservation Threshold (E), then M = 2.0 x Forest to be Cleared (J)

M=

- **N.** *Credit for Retention Above the Conservation Threshold*
  If the area of Forest to be Retained (K) is greater than the Conservation Threshold (E), then N = K – E; Otherwise N=0

N =

- **P.** *Total Reforestation Required*   P = L + M – N

P=

- **Q.** *Total Afforestation Required*
  If Existing Forest Cover (F) is less than the Afforestation Threshold (D), then Q = Afforestation Threshold (D) – Existing Forest Cover (F)

Q=

- **R.** *Total Planting Requirement*   R = P + Q

R=