



DIVISION OF  
ENGINEERING & CONSTRUCTION MANAGEMENT  
PLAN REVIEW | PERMITTING | ENGINEERING | CONSTRUCTION

### Determining Area or Limit of Disturbance for Grading Permit Requirements

It is important to properly assess the limits of earth disturbance associated with the construction project in order to determine applicable requirements and the level of review and approval required. Most projects that disturb greater than 5,000 square feet or have a cut or fill volume greater than 100 cubic yards require a grading plan and grading permit.

#### What is earth disturbance?

Earth disturbance is defined as any human activity which moves or changes the surface of land, including, but not limited to, clearing and grubbing, grading, excavation, embankments, land development, timber harvesting activities, road maintenance activities, mineral extraction, moving, depositing, stockpiling or storing of soil, rock or earth materials. All earth disturbance activities must be involved when determining the total area or limit of disturbance.

The total area or limit of disturbance for a project is the sum of areas needed to construct all of the following applicable activities:

- Area of infrastructure improvements (house, shed, pool, deck, driveway)
- Area of Utility Connections (sewer, water, underground electrical lines, under drains, roof drains, stormwater systems, including work in public rights-of-way)
- Installation area for new improved septic system
- Stockpiles
- Construction equipment storage and staging areas and construction vehicle paths
- Grading
- Excavation
- Clearing and Grubbing
- Embankments and retaining walls

#### What construction does not require a grading permit?

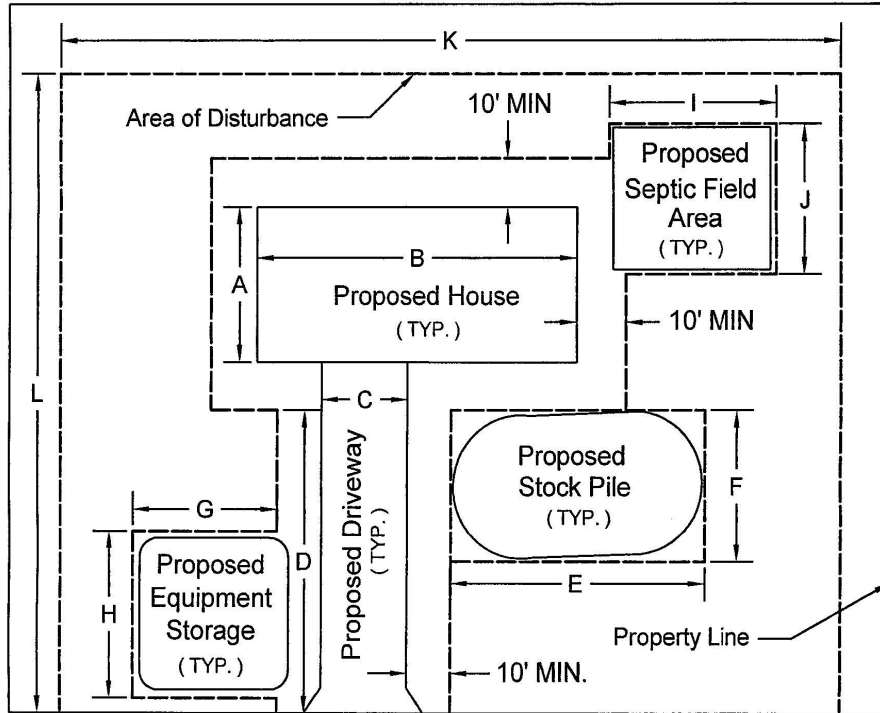
- Construction of deck only
- Construction of above ground swimming pool only
- Construction of below ground swimming pool less than 2000 square feet only

#### How do I calculate area or limit of disturbance and volume of cut/fill?

See the example of the back of this sheet for additional information

# EXAMPLE: Calculate Limits of Disturbance (LOD)

( All dimensions in feet )



## OPTION 1: Measure Individual Areas of Disturbance

- $( A + 20 ) \times ( B + 20 )$  = \_\_\_\_\_ square feet
- $( C + 20 ) \times D$  = \_\_\_\_\_ square feet
- $E \times F$  = \_\_\_\_\_ square feet
- $G \times H$  = \_\_\_\_\_ square feet
- $I \times J$  = \_\_\_\_\_ square feet
- Total Option 1 = \_\_\_\_\_ square feet

## OPTION 2: Estimate Total Area of Disturbance

- $K \times L$  = \_\_\_\_\_ square feet
- Total Option 2 = \_\_\_\_\_ square feet

VOLUME OF CUT / FILL = \_\_\_\_\_ cubic yards

Signature of applicant \_\_\_\_\_ Date \_\_\_\_\_

Name of applicant (print) \_\_\_\_\_