Site Investigation- Soil Characterization Only Procedure

Submit to our office:

- An engineer’s scaled plot plan (1”=10’ – 1”=60’) showing dimensions of the parcel and exact location of the discovery holes. Include distances from the holes to the property lines and the distances between the holes; location of any roads, accesses, easements, washes, North arrow, slope, existing structures, wells, etc.
- Request for Site Investigation-Directions to Property (to include a detailed map & written directions)
- $89.00 Investigation Fee- cash or check payable to YCDS, credit card (plus convenience fee).

Fee: $79.00 + $10.00 Document Fee

After the holes are dug and the paperwork and fees are submitted to YCDS-EU, the inspector will complete the inspection within 5 business days. After the site inspection, the inspector will notify the applicant at the phone number noted on the Request for Site Investigation-Soil Characterization form that the holes must be backfilled within 24-hours as per County Ordinance no. 1996-1. A written report will be prepared that includes all pertinent information relative to system design. The Site Inspection report will be available by calling 928-442-5450 in Prescott or 928-649-6284 in the Verde or submit a request by email to: development.services.requests@yavapai.us.

The purpose of the site inspection is to view the soil types, depth of soils, topography and geology of the site in order to determine the site’s suitability for installation of an on-site wastewater disposal system.

A minimum of 3 discovery holes are required for application of a conventional septic permit effective 2/1/2006. Two discovery holes in the primary disposal area and one discovery hole in the reserve area are required. If the property is in a subdivision approved prior to 1974, a reserve area is not required therefore only 2 discovery holes are necessary. The primary and reserve leach field must be placed inside a 30’ radius of the discovery holes. Additional testing is required if the discovery holes do not provide adequate area for primary and reserve installation or if soil or site conditions warrant such. It is recommended that discovery holes be dug 50’ to 60’ apart to provide maximum coverage for system installation. Additional discovery holes provide the designer with greater flexibility for system placement.

Discovery holes must be dug with a ledge or shelf not deeper at 4-feet below grade by which the inspector can gain access to deeper soils. As different soil colors or textures are exposed, the spoils should be separated into separate piles (i.e. topsoil pile, yellow colored pile, tight rock pile). The holes should look something like the following illustration:

[Diagram of discovery holes with grade, ledge, and refusal]

Approaches to the discovery holes must be made safe for the inspector to view the holes and take necessary samples for characterization. It is strongly suggested that discovery holes be covered with gates made of fence material or otherwise identified to the average person crossing the property. Inspectors will NOT move solid materials such as plywood or sheet metal to expose the holes-the inspector will leave the site uninspected.

The system designer will want the depth of discovery holes be at least 12’ or backhoe refusal in order to have the greatest design flexibility. If the soil is very sandy, the discovery holes should be 16’ deep or depth of collapse in order to ensure that groundwater is not too close to the surface. If the discovery holes are not 12’ to 16’ deep a conventional system may be more difficult or impossible to design.

Revised 1/2019
REQUEST FOR SITE INVESTIGATION
(This is not a permit to construct. Submittal Fee: $79.00 + $10.00 Document Fee)

Date Requested: __________________________ Parcel No: __________________________________________

Requested by: __________________________________ Contact Phone number: __________________________

E-mail: ______________________________________________________________________________________

Property owner: __________________________________ Subdivision/Lot: ______________________________

Circle one- Water supply: public well hauled in

NOTE: Inspector must be able to approach discovery holes without fear of falling in or having the holes collapse.

Discovery holes must be backfilled within 24-hours of notification that an inspection has been conducted.

Draw Directions to Site

Written Directions: ______________________________________________________________________________
_______________________________________________________________________________________________
_______________________________________________________________________________________________
_______________________________________________________________________________________________

Revised 1/2019
Yavapai County Coordinated Permit Process
Plot Plan Sketch and Affidavit

I certify that I am authorized by the property owner to make this application, that all information provided for this application is correct and that this plot plan, as part of the permit, indicates all structures (including fences, walls, and pads), correct property and building dimensions; setback distances; legal access and easements; road cuts; walls and/or any water course (including washes, drainage ditches etc.) on or within 50'; 100' and 200' respectively of the property. We agree to conform to all applicable laws of this jurisdiction.

____________________________________           __________________________
Signature     Date

Must be drawn to scale per checklist on back of this form.

LAND USE
APPROVAL BY:      DATE:             TOTAL SHIELDED LUMENS:

Zoning:
Stories:
Height:
Slope:
FY:
RY:
EY:
IY:
LC:
Lot Area
Lot %
Density
Used:
Scale:
North
Arrow