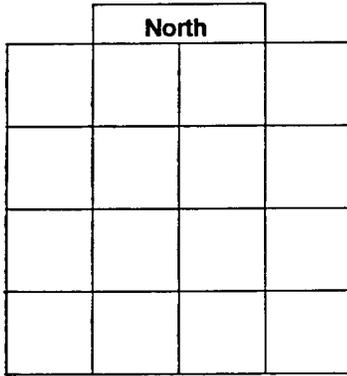


DEBRIS BASIN FOR AN ANIMAL WASTE SYSTEM

Owner/Operator _____ County _____ Field Office _____
 NRD _____ Date _____

SKETCH MAP



Legal Description

Sec. _____, T. _____, R. _____

PLANNING & DESIGN DATA

- (1) Drainage Area of Lot & other Contributing Area _____ Acres
 (A) Will manure be scraped into or toward the basin? Yes No

REQUIRED SOLID WASTE STORAGE

- (B) If the answer to (A) is No the dead storage required will be .5 inches/acre/year

If the answer to (A) is Yes the total manure production and transport must be analyzed

(2) Solid Storage _____ x 0.5 in = _____ Ac-in/yr
 (1)

REQUIRED DETENTION STORAGE

- The detention storage in the debris basin must detain a 25 yr 24 hr storm without overtopping

(3) 25 year 24 hour storm = _____ inches

(4) 25 year 24 hour runoff = _____ inches

ENG 81 assumed
 A CN of 90 for unpaved lots
 A CN of 97 for paved lots

(5) Volume of storm = _____ x _____ = _____ Ac-in
 (1) (4)

DRAWDOWN TIME & PIPE SIZE

- In order to retain 98% of the solids in the Debris Basin the drawdown time must be 24 hours or greater.
- To size the debris basin use the floodrouting criteria shown on page 620-2 of Standard 620 Underground Outlet.
- Layout and construction checkout should be done using the terrace and underground outlet forms and design tools

ACTUAL STORAGE IN THE DEBRIS BASIN

Actual solid storage = _____ Ac-in

Actual detention storage = _____ Ac-in

CALCULATED BY _____