

606 SUBSURFACE DRAIN
Design Data

NAME _____ SCD _____ SEC. _____ T. _____ R. _____

Field Notes - Conservation Plan

EFM Fig. 14-24

Survey

Soil Survey

EFM Table 14-7

USDI-FWS Circular 39 and
INTERA ID-5

Type of Survey

EFM Table 14-5

L = Dist. drain intercepting
flow

Design Sheet

7-L-16000-16-3 _____
or Job Sheet _____

PROBLEM:

Field _____

SOLUTION:

Subsurface Drainage will be used
Method will be Random Drains
_____ (Type Drain Conduit)

GIVEN:

From survey an outlet exists at _____

Soils are: _____

Unified Classification _____

Filter _____

Wetland Type _____

From _____ length of drain conduit
is: _____

Slope of Conduit: Min. _____ Max. _____

DESIGN:

Est. Inflow Rate: $q =$ _____ cfs/1000 ft.

$$Q = \frac{q}{1000} (L) = \text{_____ C.F.S.}$$

Use: _____ CFS $n =$ _____

Ratio $\frac{\text{Flow depth}}{\text{Conduit dia.}} =$ _____

Drain Conduit Size: _____

Min. Slope - D = _____ inches

Max. Slope - D = _____ inches

USE _____ inches

Job Class _____ Designed by: _____ Date: _____

Approved by: _____ Date: _____