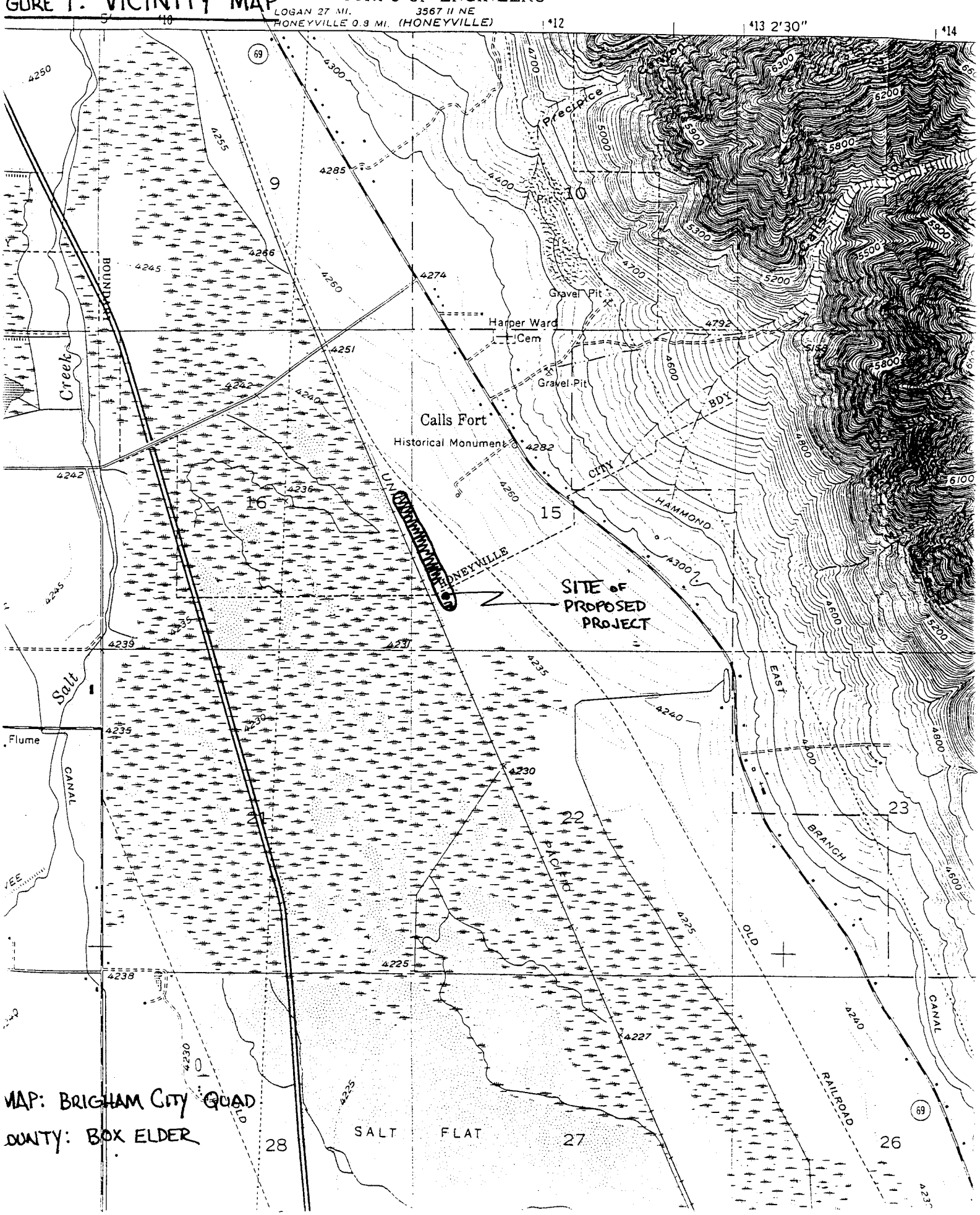
UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

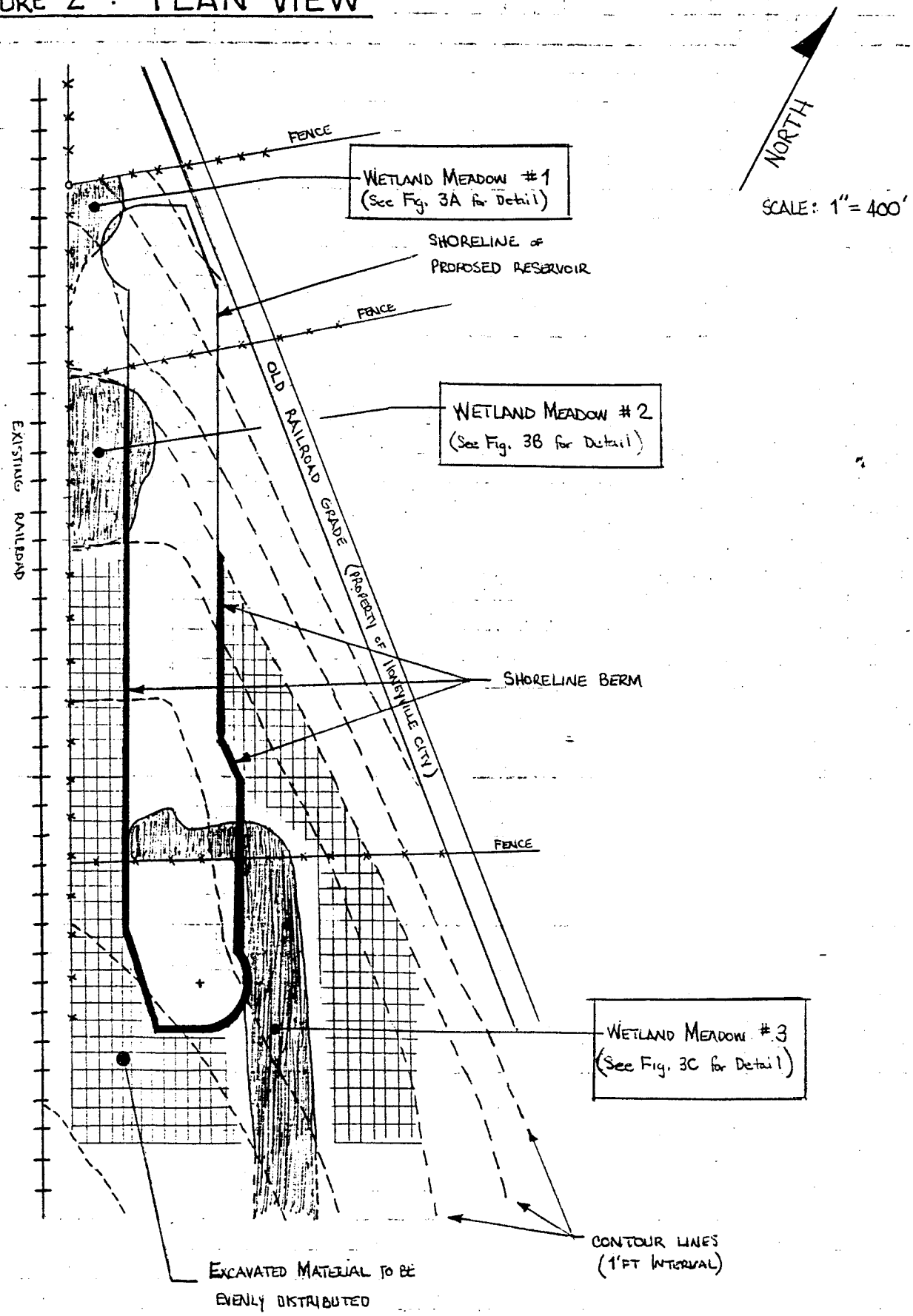
GURE 1: VICINITY MAP



MAP: BRIGHAM CITY QUAD

OUNTY: BOX ELDER

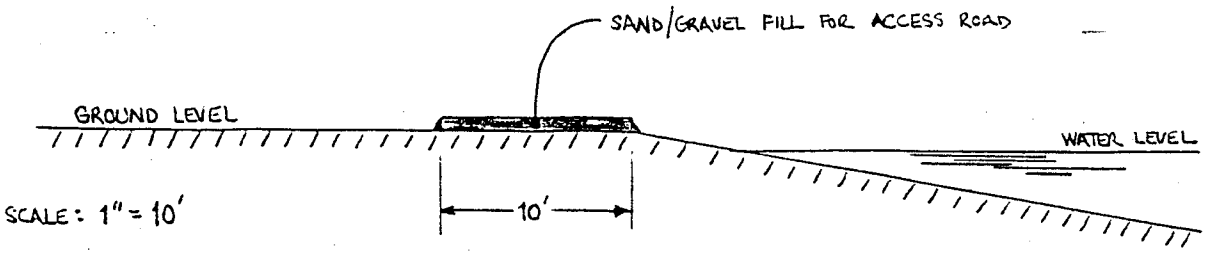
FIGURE 2 : PLAN VIEW



22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

12 Nov 2000

FIGURE 3A : CROSS SECTION OF WETLAND MEADOW #1



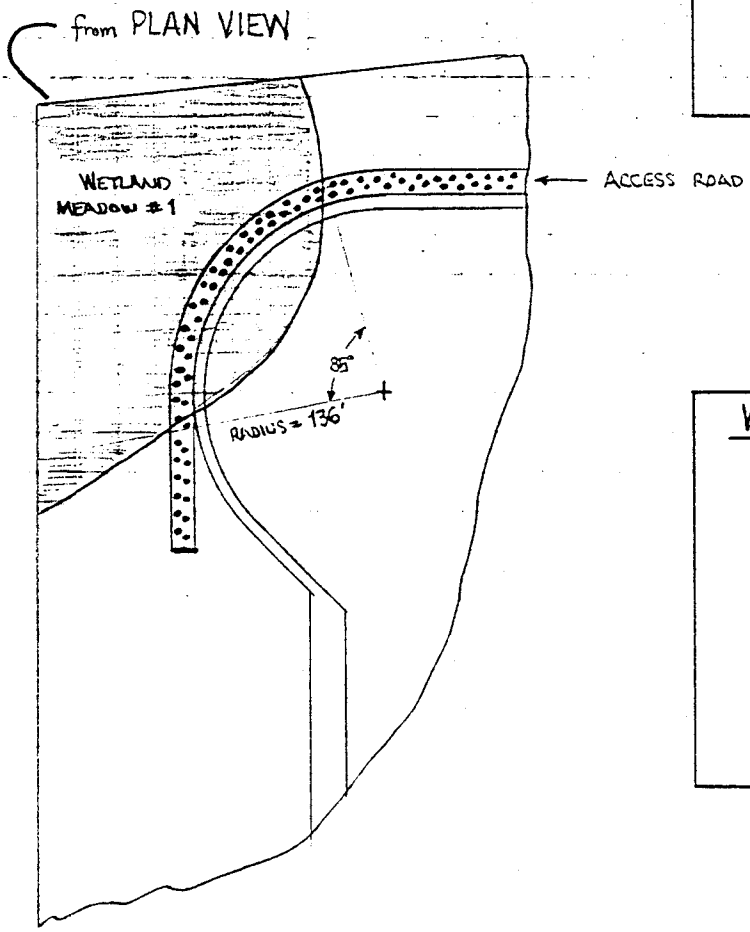
AREA CALCULATIONS

Length = $(136') \times \left(\frac{85}{180}\pi\right) = 202'$

Width = $10'$

Area = $(202') \times (10') = 2020\ ft^2$

$= 0.046$ acres



VOLUME CALCULATIONS

Area = $2020\ ft^2$

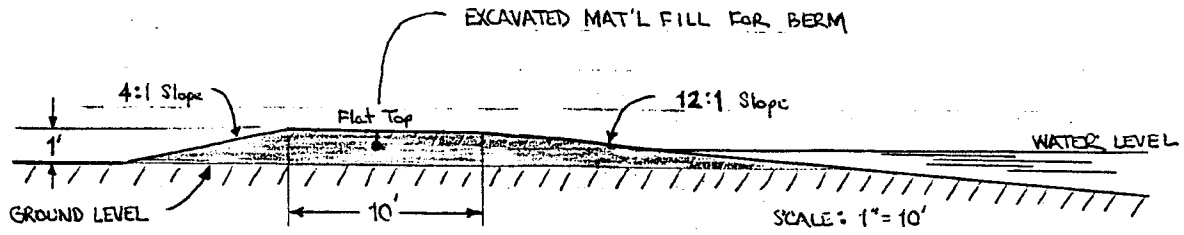
Depth = $1\ ft$

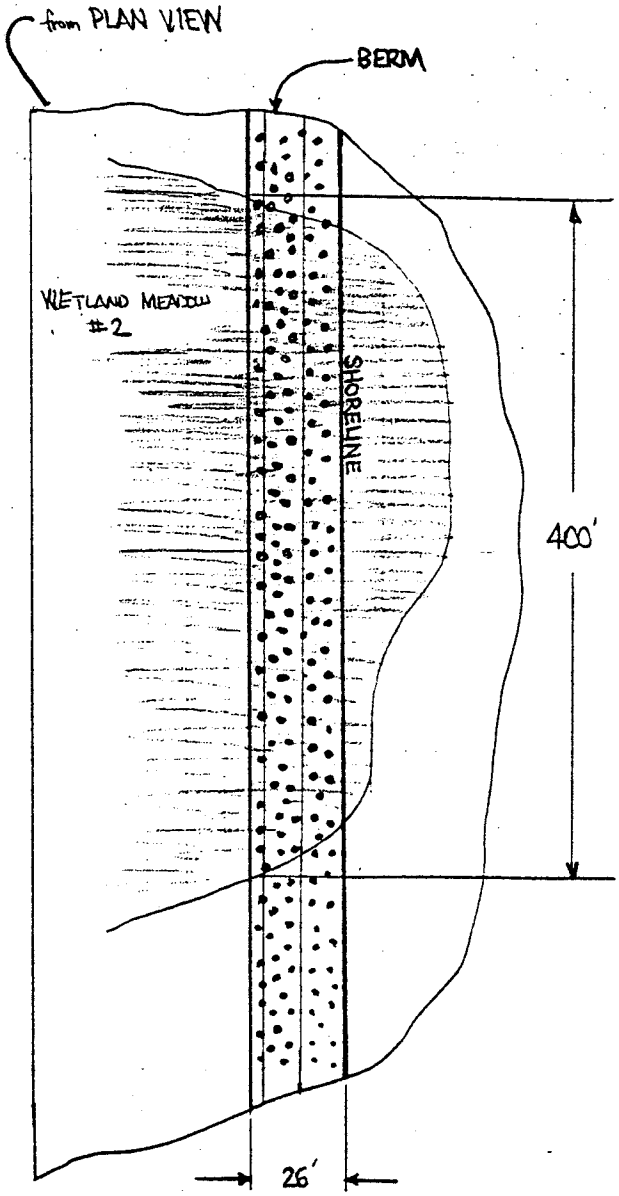
Volum = $(2020)(1) = 2{,}020\ ft^3$

$= 75$ cu. yds

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

FIGURE 3B: CROSS SECTION OF WETLAND MEADOW #2





AREA CALCULATIONS

Length = 400 ft

Width = 4' + 10' + 12' = 26 ft

Area = 10,400 ft^2

= 0.238 acres

VOLUME CALCULATIONS

Area = 10,400 ft^2

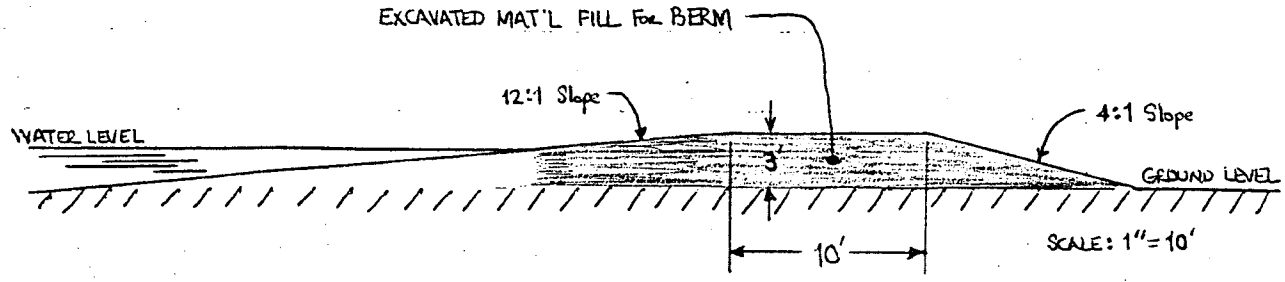
Depth (Equiv.) = 1.4 ft

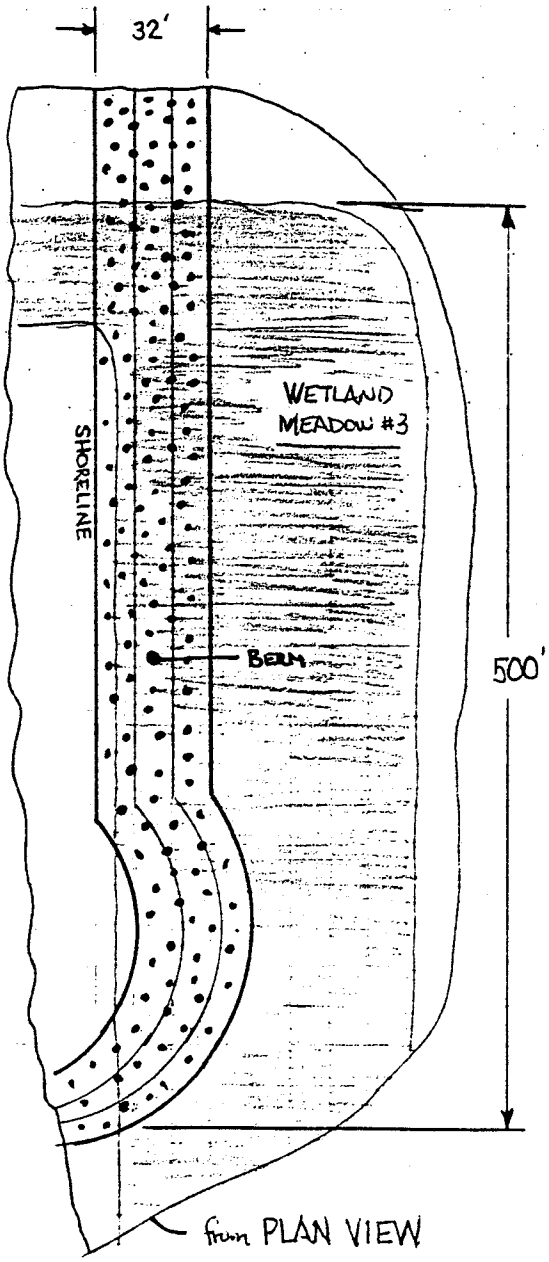
Volume = (10,400) × (1.4) = 14,400 ft^3

= 533 cu. yds

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

FIGURE 3C : CROSS SECTION OF WETLAND MEADOW #3





AREA CALCULATIONS

Length = 500 ft

Width = 10' + 10' + 12' = 32 ft

Area = 16,000 ft^2

= 0.366 acres

VOLUME CALCULATIONS

Area = 16,000 ft^2

Depth (Equiv.) = 3.9 ft

Volume = (16,000) × (3.9) = 63,000 ft^3

= 2,333 cu. yds

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD