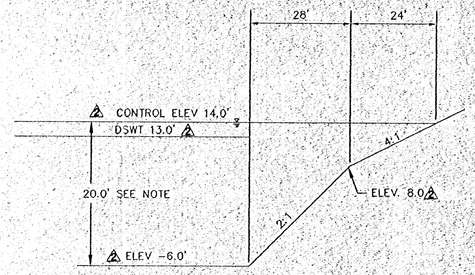
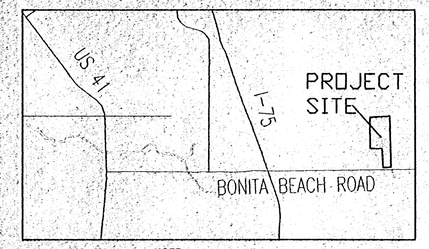


TYPICAL LAKE EXCAVATION DETAIL
N.T.S.

NOTE:
EXCAVATION DEPTHS MAY EXCEED 12 FEET TO A MAXIMUM OF 20 FEET IF THEY DO NOT PENETRATE THE CONFINING LAYER, AND A DEEP LAKE MANAGEMENT PLAN IS APPROVED.

LAKE EXCAVATION VOLUME

LAKE #	AREA (S.F.) EL 14.0	AREA (S.F.) EL 8.0	AREA (S.F.) EL -6.0	VOL. (C.Y.)
LAKE "A"	1,292,478	1,136,337	959,522	813,239



LOCATION MAP

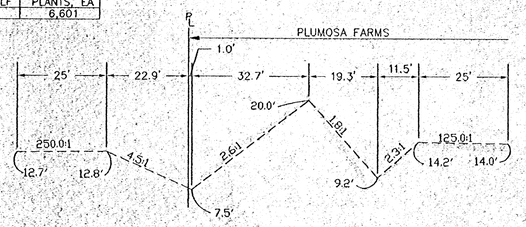
NOTE:
THE ONLY VEHICLE ACCESS ROUTE AVAILABLE IS TO EXIT THE PROJECT ONTO AN UNPAVED SECTION OF BONITA BEACH ROAD AND PROCEED WESTWARD TO THE END OF THE COUNTY MAINTAINED PAVED ROADWAY SECTION (APPROX. 3/4 OF A MILE WEST OF THE ENTRANCE).

LITTORAL PLANTING LIST

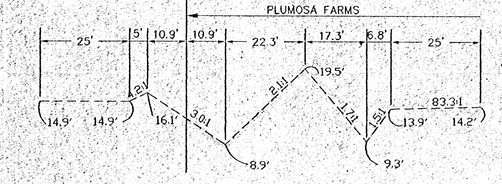
lemon bacopa	Bacopa caroliniana
water bussop	Bacopa monnieri
canna lily	Canna flaccida
swamp lily	Crinum americanum
blue flag	Iris virginica
rush	Juncus effusus
ludwigia	Ludwigia repens
maidencane	Panicum hemitomon
lizard's tail	Saurus cernuus
sand cordgrass	Spartina bakeri
sawgrass	Cadium jamaicenae
bull rush	Scirpus validus
arrowroot	Thalia geniculata
spatterdock	Nuphas letum
fragrant water lily	Nymphaea edorata

LAKE LITTORAL PLANTINGS		
LAKE DESIGNATION	SHORELINE LENGTH, LF	HERBACEOUS PLANTS, EA
LAKE A	6,601	6,601

LITTORAL PLANTINGS
1) THE MINIMUM REQUIRED NUMBER OF NATIVE WETLAND HERBACEOUS PLANTS SHALL BE ONE PLANT PER LINEAR FOOT OF LAKE SHORELINE AS MEASURED AT THE CONTROL ELEVATION WATER LEVEL.
2) NATIVE WETLAND TREES OR SHRUBS MAY BE SUBSTITUTED FOR UP TO 25 PERCENT OF THE TOTAL NUMBER OF HERBACEOUS PLANTS REQUIRED. ONE TREE OR TWO SHRUBS MAY BE SUBSTITUTED FOR 10 HERBACEOUS PLANTS.
3) PLANTS SHALL BE CLUSTERED AT INLETS AND OUTFALLS AS SHOWN WITH A MINIMUM OF 25 PLANTS WITHIN A 50 SQUARE FOOT AREA.
4) AT LEAST FOUR SPECIES SHALL BE PLANTED. THE MINIMUM REQUIRED HERBACEOUS PLANT SIZE SHALL BE TWO INCH CONTAINER, REFERED TO AS A LINER. TREES AND SHRUBS SHALL MEET THE MINIMUM STANDARDS IN SECTION 10-416 OF THE LEE COUNTY LAND DEVELOPMENT CODES.
5) SODDING OR MULCHING OF NATIVE WETLAND PLANT MATERIALS MAY BE USED TO ESTABLISH PLANTINGS AT THE MINIMUM REQUIRED DENSITY IN LIEU OF LINERS.
6) A MINIMUM OF 80 PERCENT SURVIVABILITY OF PLANTINGS IS REQUIRED FOR HERBACEOUS WETLAND PLANTS, WETLAND TREES AND SHRUBS SHALL BE MAINTAINED PER SECTION 10-417(C) OF LEE COUNTY LAND DEVELOPMENT CODES.
7) MAINTENANCE OF LITTORAL AREAS SHALL INCLUDE REMOVAL OR CONTROL OF INVASIVE NUISANCE SPECIES.
8) APPROVAL OF TYPICAL PLANTING CLUSTER COMPOSITION TO BE OBTAINED PRIOR TO SUBSTANTIAL COMPLIANCE FOR LAKE CONSTRUCTION.
9) ALL LITTORAL PLANTINGS SHALL BE IN ACCORDANCE WITH L.D.C. SECTION 10-418.
10) FINAL LOCATIONS OF LITTORAL PLANTINGS TO BE DETERMINED DURING CONSTRUCTION
11) ALL INVASIVE EXOTICS SHALL BE REMOVED PER THE LEE COUNTY L.D.C.



SECTION C-C
N.T.S.



SECTION D-D
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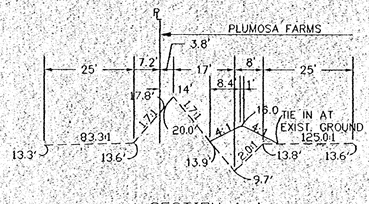

SECTION A-A
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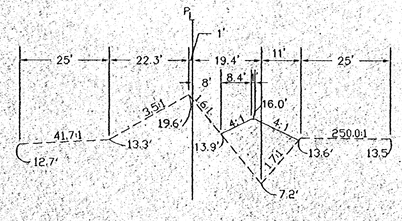

SECTION E-E
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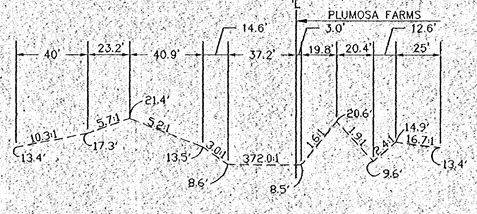

SECTION B-B
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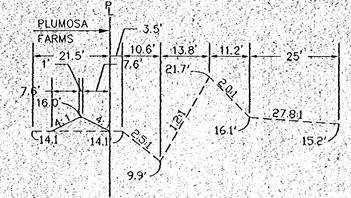

SECTION F-F
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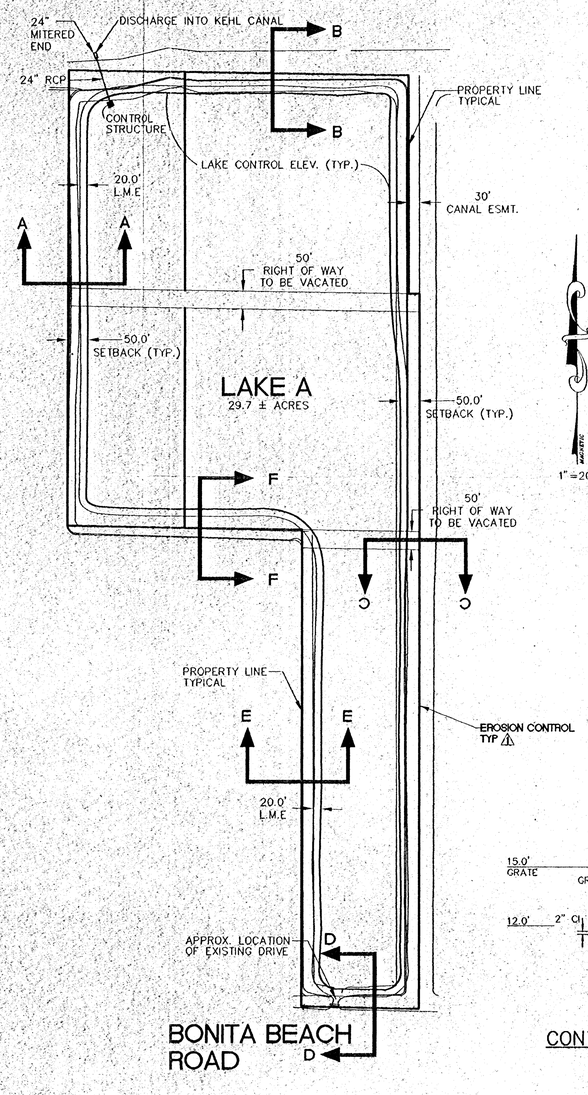
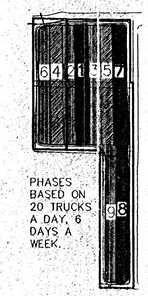
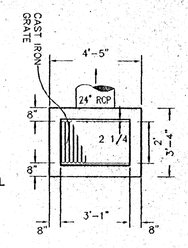
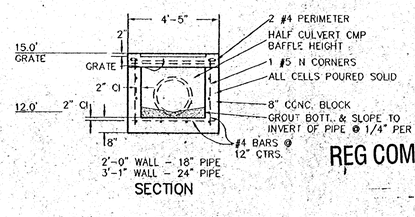




PHASING PLAN
1"=200'

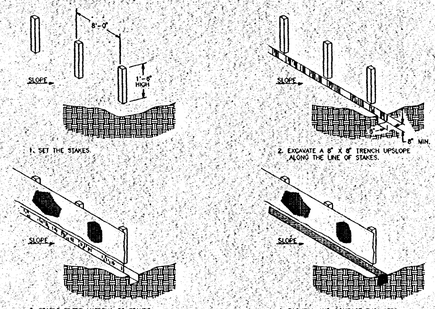


PLAN

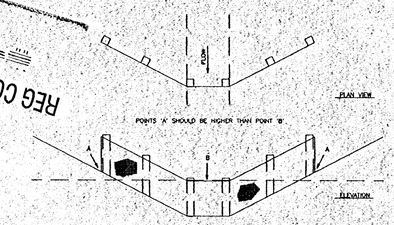


SECTION

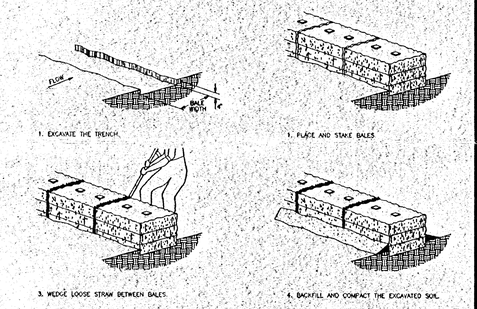
CONTROL STRUCTURE
NOT TO SCALE

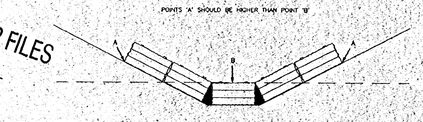


CONSTRUCTION OF A FILTER BARRIER
N.T.S.



PROPER PLACEMENT OF FILTER BARRIER IN DRAINAGE WAY
N.T.S.





CONSTRUCTION OF A STRAW BALE BARRIER
N.T.S.

GENERAL NOTES:
PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY, APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF-SITE AREAS AND WETLANDS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.

THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED: (REFERENCE FLORIDA DEVELOPMENT MANUAL, FDEP, PPS 6-301 TO 6-500)

A) BMP 1.01 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE.
B) BMP 1.05 STRAW BALE BARRIER
C) BMP 1.06 SILT FENCE
D) BMP 1.08 STORM INLET DRAIN PROTECTION

THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF REQUIREMENTS FOR SOIL EROSION CONTROL PER ARTICLE 4 FLOOD HAZARD REDUCTION OF LEE COUNTY LANDE DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREECTLEMENTS FOR COMPLIANCE W/ REGULATORY AGENCIES & SPECIFIC PERMIT CONDITIONS.

REG COMP FILES
REG COMP FILES
REG COMP FILES

ADDL/REVISED SUBMITTAL
APR 04 2000
FORT MYERS SERVICE CENTER

APP # 991105-58

APPLICATION NUMBER
991105-58

date 6/21/99
drawn HJH
file name LAK_EXCV
job PLUMOSA

No.	Date	Revisions
1	12/99	REVISIONS PER SFWMD COMMENTS
2	03/00	ADDED SECTIONS A-F, CONTROL STR, LOCATION MAP, AND PHASING PLAN
3	03/00	REVISED SECTIONS AND CONTROL STRUCTURE
4	04/00	REVISED SECTIONS A, E + F PER SFWMD DIRECTION

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Bonita Springs, Florida 34135
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PLUMOSA FARMS
LAKE EXCAVATION PLAN
FOR
PLUMOSA FARMS,INC.
6080 CYPRESS HOLLOW WAY
NAPLES , FLORIDA 33942

scale: 1"=200'
SHEET 1 OF 1

CYNTHIA G. YANOSIK
FL PE #45250
Cynthia G. Yanosik
04-3-00
date