

Construction of Levees

Find a material that works well
with Peat in Soil Mixing for
strength requirements

Use of geof foam in levee base to
compensate for base pressure
(minimize settlement

Use of hydraulic dredging for a levee base(pump clay balls and sand)

Use of soil panels with a soil-reinforced cap to reduce levee x-sections

Investigate job specific
equipment for cost-effective soil
mixing

***Floation hollow concrete
monoliths**

Example

1. Build hyd fill containment dikes
 - El 8
 - 600' apart (levee footprint)
 - Borrow from inside dikes
2. Pump hyd fill to about el 15 at c/l
 - 1v on 40h slopes
3. Install soil columns w/in levee footprint
 - 150' wide rows
 - Rows on 8 to 10' spacings

4. Excavate between rows and replace w/geof foam blocks (reduce base pressure)
 - 5 to 8' thick
 - 100 ft wide

- 5. build reinforced levee to el 40
- -geotextile or geogrid to supplement soil columns

- 6. pump additional hyd fill
 - Compensate for settlement
 - Additional source of levee fill

- 7. Armor slopes for erosion.

Construction of Walls

FLOODSIDE

LANDSIDE



300

200

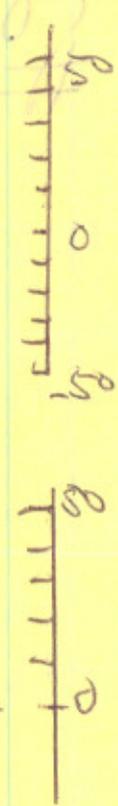
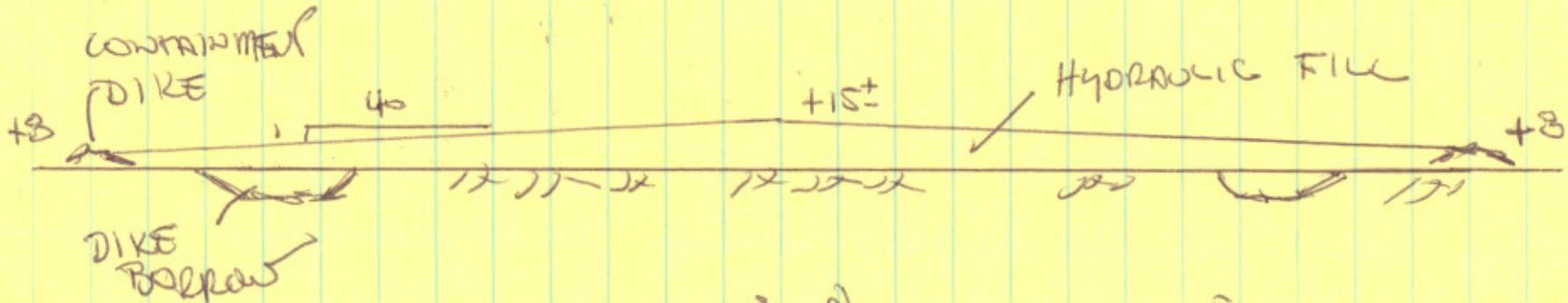
100

0

100

200

300



2nd Lift of Hydraulic course of lagoon material (ref)

GEOTEXTILE, GEOGRID

