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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
17BP.9.R.25	EC-4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DAVIE COUNTY BRIDGE # 83

NAD 83/ NSRS 2007

CONSTRUCTION SEQUENCING:

PHASE 1:

A. INSTALL ALL ESC PRACTICES PRIOR TO COMMENCEMENT OF ANY LAND-DISTURBING ACTIVIES.

PHASE 2:

A. CONSTRUCT IMPERVIOUS DIKE EAST SIDE (NOTE 2), DIVERTING STREAM FLOWS TO WEST SIDE.

i. REMOVE BRANCHES AND LARGE ROCKS FROM AREA WHERE THE SAND BAGS WILL BE PLACED.
ii. LAY OUT THE IMPERVIOUS POLY-FABRIC LINER WITH THE CENTER OF THE LINER LOCATED OVER THE CENTER OF THE SAND BAG DIKE.
iii. PLACE THE SAND BAGS TO THE DESIRED HEIGHT. THE DIKES SHALL HAVE A WIDTH SUITABLE TO SUPPORT THE HEIGHT. EACH ROW SHALL BE OFFSET SO THE JOINTS ARE STAGGERED. PACK SAND BAGS TIGHTLY TOGETHER.
iv. WRAP IMPERVIOUS POLY-FABRIC LINER AROUND SAND BAG DIKE AND SECURE WITH FINAL LAYER OF SAND BAGS.

B. CONSTRUCT TEMPORARY SEDIMENT BASIN.

C. COMMENCE DEMOLITION AND CONSTRUCTION EAST SIDE.

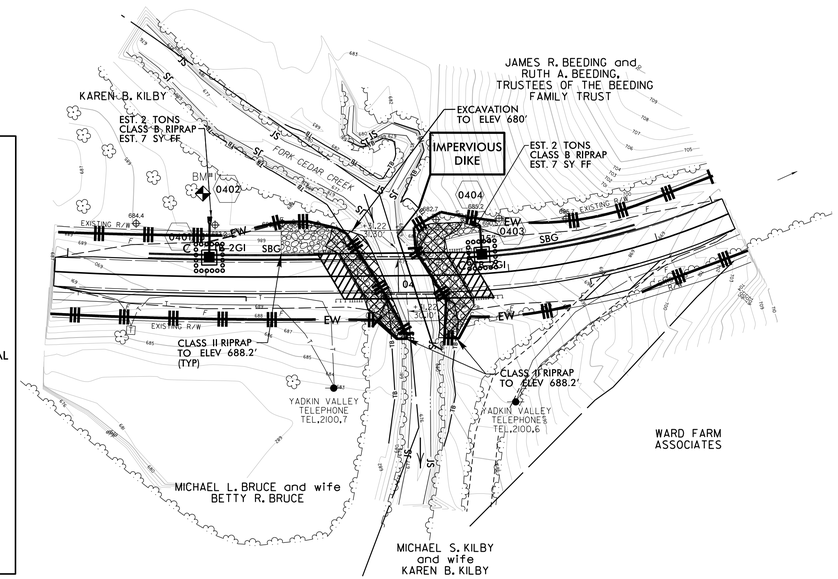
D. PUMP WATER BEHIND DIKE AS NEEDED FOR CONSTRUCTION ACTIVITIES. FILTER WATER BEFORE DISCHARGE BACK TO STREAM.

E. STABILIZE SITE PRIOR TO REMOVAL OF TEMPORARY DIKE AND BASIN.

PHASE 3:

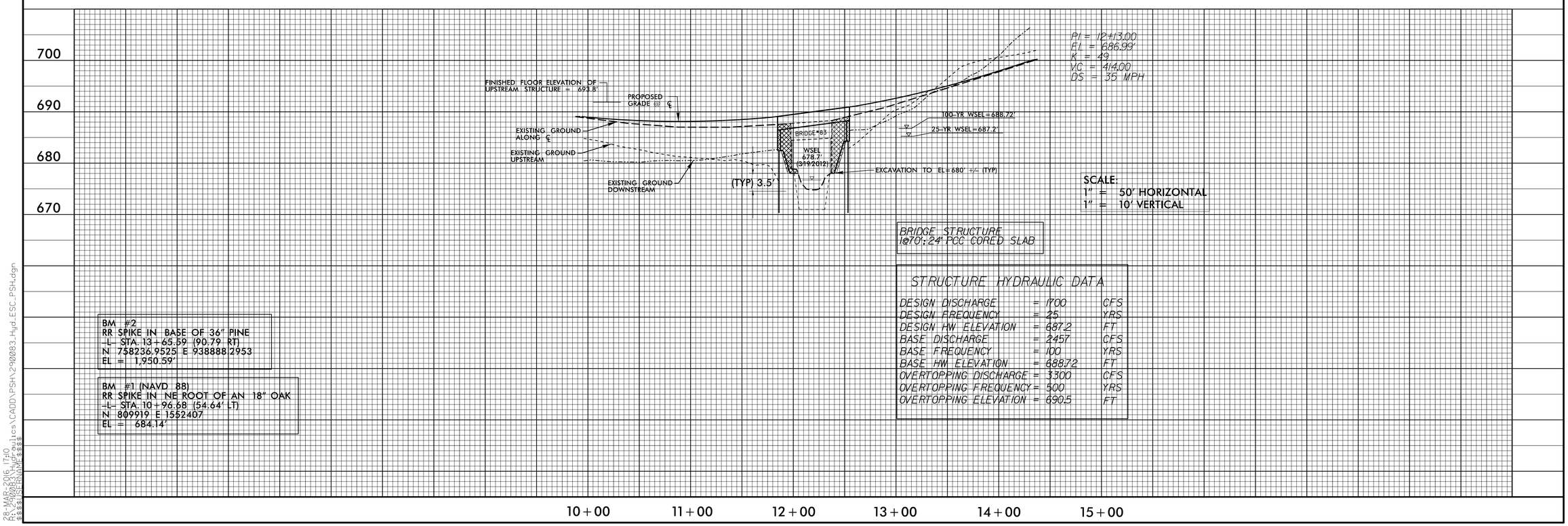
A. UPON STABILIZATION, CAREFULLY REMOVE DIKE AND INSTALL ON WEST SIDE, DIVERTING STREAM FLOWS TO EAST SIDE.

B. REPEAT STEPS 'A' THRU 'E' FOR WEST SIDE CONSTRUCTION.



NOTES:

1. NO CONSTRUCTION ACTIVITY SHALL COMMENCE UNTIL ALL ESC PRACTICES IN PLACE.
2. CONTRACTOR HAS DISCRETION TO CONSTRUCT EITHER EAST SIDE OR WEST SIDE FIRST.
3. PLAN SHOWS SETUP FOR EAST SIDE ACTIVITIES. SIMILAR FOR WEST SIDE.
4. SHEET REPRESENTS CLEAR AND GRUBBING, AS WELL AS FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 4.



SCALE:
1" = 50' HORIZONTAL
1" = 10' VERTICAL

BRIDGE STRUCTURE
1@70'; 24" PCC CORED SLAB

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 1700	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 687.2	FT
BASE DISCHARGE	= 2457	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 688.72	FT
OVERTOPPING DISCHARGE	= 3300	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 690.5	FT

BM #2
RR SPIKE IN BASE OF 36" PINE
-L- STA. 13+65.59 (90.79' RT)
N 758236.9525 E 938888.2953
EL = 1,950.59'

BM #1 (NAVD 88)
RR SPIKE IN NE ROOT OF AN 18" OAK
-L- STA. 10+96.68 (54.64' LT)
N 809919 E 1552407
EL = 684.14'

28-MAR-2016 17:10
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