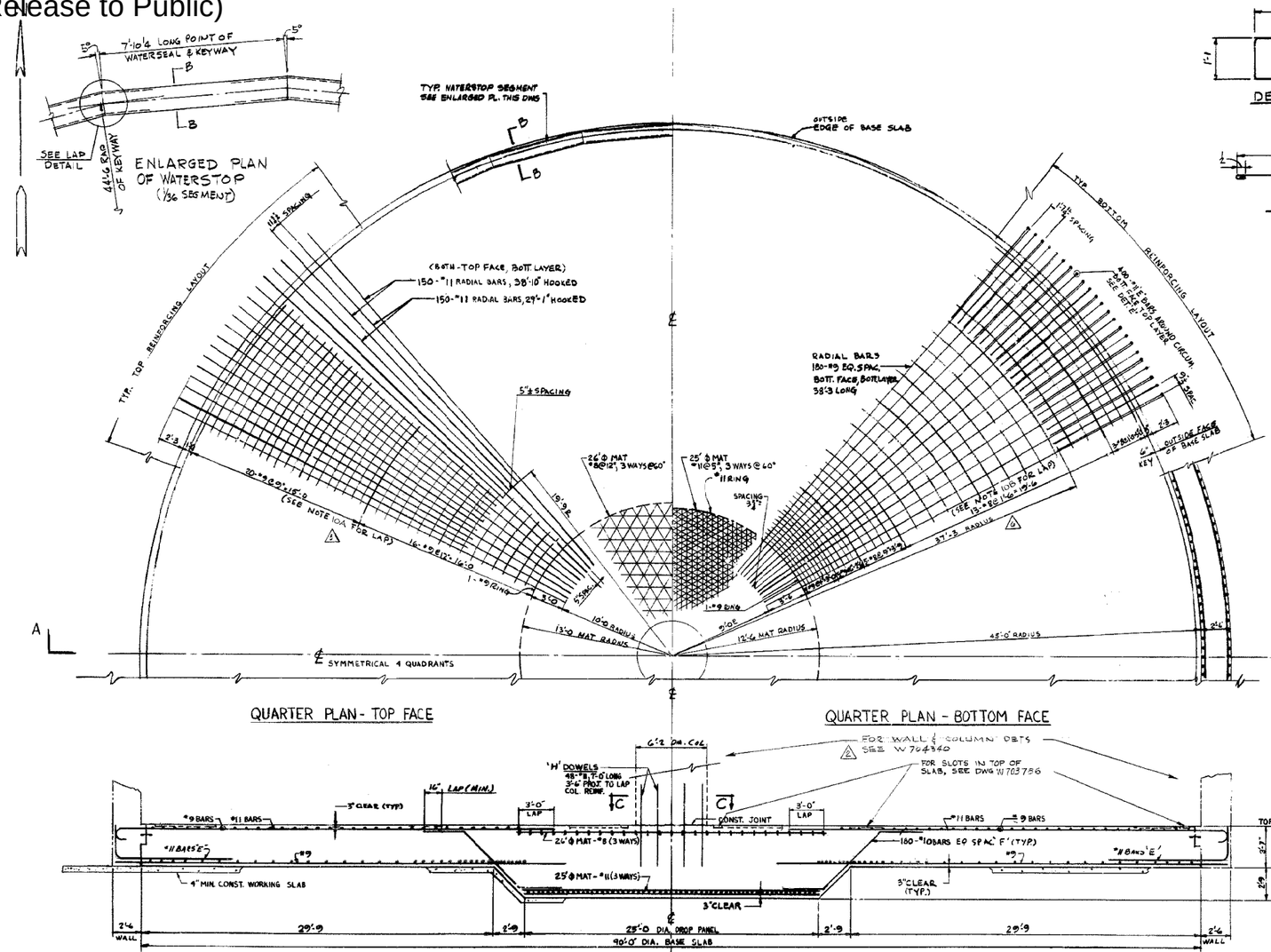

→ ANALYZE FOR **SAFETY, ECOLOGY AND MINIMUM ESSENTIAL DESIGN** ←

CONCRETE GENERAL NOTES

1. ALL CONCRETE TO DEVELOP 3000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS - USE CLASS C CONCRETE PER STD. SPEC. SB6U. USE TYPE I PORTLAND CEMENT WITHOUT ADDITIVES UNLESS AUTHORIZED BY DESIGN DIVISION. IF HIGHER STRENGTH CONCRETE IS USED IN TOP SLAB, APPLY MASTER BUILDERS "CONFILM" AFTER SCREEDING AND AGAIN AFTER FINISHING IN ORDER TO PREVENT EXCESSIVE SURFACE EVAPORATION CAUSED BY SUN AND WIND. IN ADDITION TO "CONFILM", WET CURE FOR A MINIMUM OF SEVEN (7) DAYS.
2. REINFORCING STEEL SHALL BE PROVIDED PER STD. SPEC. SB4U. REINFORCING BARS IN BASE MAT, WALLS, COLUMN, AND ROOF SHALL HAVE CONCRETE COVER TO DIMENSIONS SHOWN WITHIN A TOLERANCE OF ± 1/2 INCH.
3. ALL WORKMANSHIP PROVIDED BY DU PONT CONSTRUCTION AND MATERIAL FURNISHED BY DU PONT CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPEC. 3557.
4. TOP OF BASE SLAB SHALL HAVE A TYPE B FINISH PER STD. SPEC. SB10U.
5. CONCRETE PLACEMENT SHALL BE PER STD. SPEC. SB9U.
6. FOR LOCATION OF TANK CENTERLINES SEE W 700598.
7. CONSTRUCTION TO CHECK PROCESS, HVAC, ELECTRICAL INSTRUMENTATION, AND POWER DRAWINGS FOR EMBEDMENTS IN CONCRETE.
8. THE WATERSTOP AT BASE SLAB TO WALL JOINT IS TO BE HARD COPPER SHEET PER ASTM B370 COLD ROLLED, 24 OZ. PER SQ FT, CONTINUOUS WITH ALL SEAMS BRAZED WATERTIGHT.
9. BASE MAT DESIGNED FOR 5000 PSF AVERAGE SOIL BEARING. FOR SOIL INFORMATION SEE JAEGER-HUTELDGE REPORT DATED 5/19/75 UNDER WORK REQUEST 860438.
10. STAGGER SPLICE OF CIRCULAR REINF. BARS IN BASE SLABS:
    A. TOP BARS 5'-4 LAP
    B. BOTTOM BARS 3'-10 LAP
11. THE ASSUMED TEMPERATURE GRADIENTS THROUGH THE CONCRETE TANK USED FOR DESIGN ARE:
    BOTTOM SLAB 100°F
    CYL. WALL-LOWER 2 FEET 100°F
    CYL. WALL-REMAINDER 30°F
    TOP SLAB 50°F
12. TO OBTAIN THE TOTAL STRESSES IN THE CONCRETE TANK, DYNAMIC MOMENTS AND FORCES WERE TAKEN FROM ELCMS REPORT - PHASE II EARTHQUAKE ANALYSIS - DATED JUNE 1975.
13. THE SECONDARY LINER SERVES AS A FORM FOR THE CONCRETE TANK WALLS AND CENTER COLUMN. THE PRIMARY TANK ROOF PLUS THE FORM PLATE OVER THE ANNULUS SERVE AS THE FORMS FOR THE TOP SLAB.

RMD REVIEWED AT REV. 7 DATE 4/22/80

BLDG.	PROJ.	DA	DWG. TYPE		LATEST
241-54F	951747	11	43	W703133	7 REVISION

SAVANNAH RIVER PLANT
BLDG 241-54F TANKS 44 THRU 47
ADDITIONAL WASTE STORAGE TANKS
BASE SLAB REINFORCING
CONCRETE

ENGINEERING DOC. CONTROL - SRS
D0041337

PROJ. NO.	REVISIONS	REVISED BY DATE	CHECKED BY DATE	APPROVED BY DATE
951747	7 ADDED GENERAL NOTES			
REVISED	6 ADD NOTE, REVISED NOTE			
4/22/80	5 DELETED 3A & 10B WAS 3B			
	4 ADDED NOTE			

REFERENCE STANDARDS

REFERENCE DRAWINGS	
W703756	L.D. SLOTS
W702756	INSTR
W704340	WALL & SUMP
DPF 212586	TANKS

PROJECT 951747
SCALE 1/10 IN
DRAWN J.J. LOGAN NOV 15 1976
CHECKED LABERRY
APPROVED-INITIAL
CONSTR. RELEASE
APPROVED-FINAL

E. I. DU PONT DE NEMOURS & COMPANY
WILMINGTON, DELAWARE
ENGINEERING DEPARTMENT
W703133