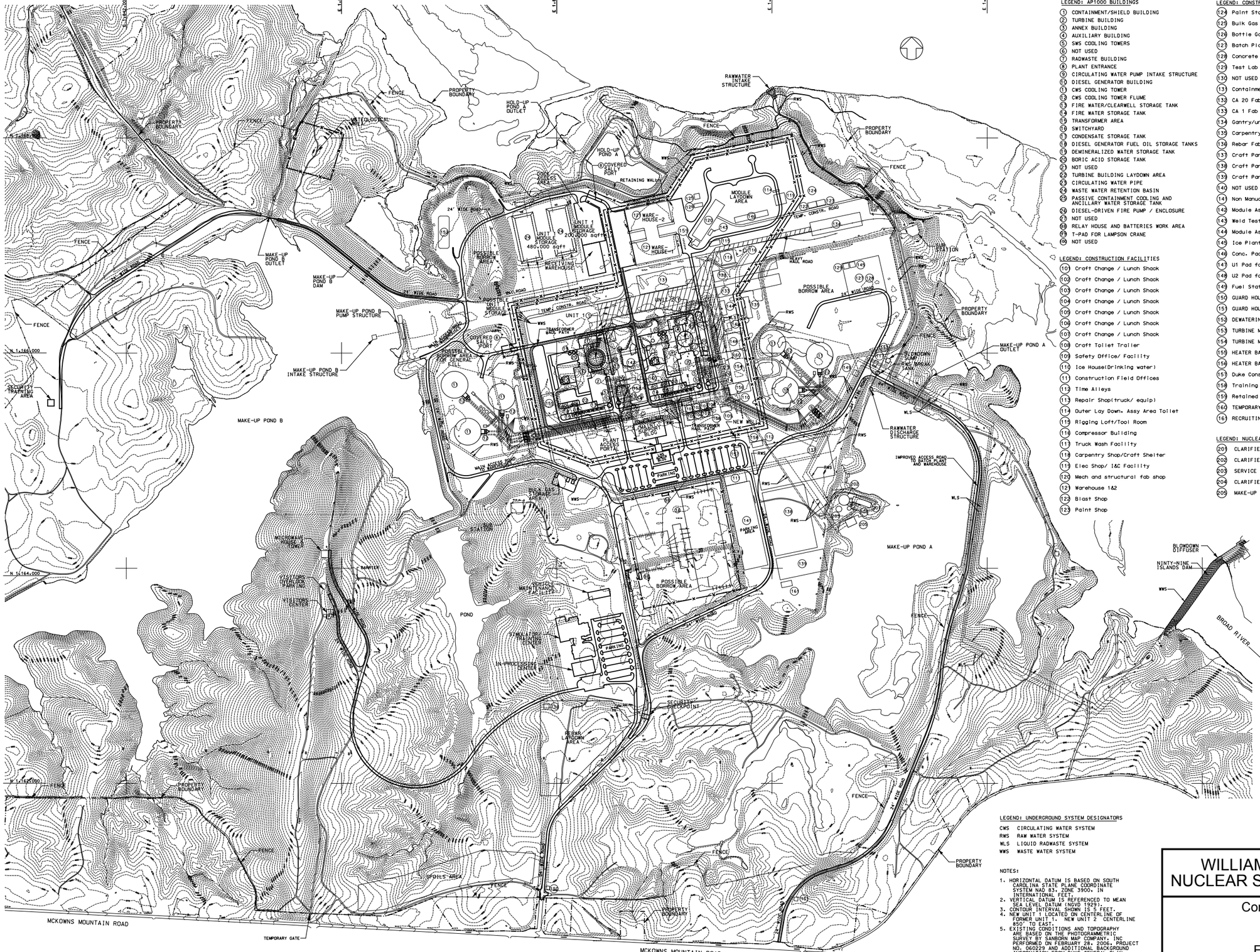

LEGEND: AP1000 BUILDINGS

1. CONTAINMENT/SHIELD BUILDING
2. TURBINE BUILDING
3. ANNEX BUILDING
4. AUXILIARY BUILDING
5. SWS COOLING TOWERS
6. NOT USED
7. RADWASTE BUILDING
8. PLANT ENTRANCE
9. CIRCULATING WATER PUMP INTAKE STRUCTURE
10. DIESEL GENERATOR BUILDING
11. CWS COOLING TOWER
12. CWS COOLING TOWER FLUME
13. FIRE WATER/CLEARWELL STORAGE TANK
14. FIRE WATER STORAGE TANK
15. TRANSFORMER AREA
16. SWITCHYARD
17. CONDENSATE STORAGE TANK
18. DIESEL GENERATOR FUEL OIL STORAGE TANKS
19. DEMINERALIZED WATER STORAGE TANK
20. BORIC ACID STORAGE TANK
21. NOT USED
22. TURBINE BUILDING LAYDOWN AREA
23. CIRCULATING WATER PIPE
24. WASTE WATER RETENTION BASIN
25. PASSIVE CONTAINMENT COOLING AND ANCILLARY WATER STORAGE TANK
26. DIESEL-DRIVEN FIRE PUMP / ENCLOSURE
27. NOT USED
28. RELAY HOUSE AND BATTERIES WORK AREA
29. T-PAD FOR LAMPSON CRANE
00. NOT USED

LEGEND: CONSTRUCTION FACILITIES

10. Craft Change / Lunch Shack
102. Craft Change / Lunch Shack
103. Craft Change / Lunch Shack
104. Craft Change / Lunch Shack
109. Craft Change / Lunch Shack
106. Craft Change / Lunch Shack
107. Craft Change / Lunch Shack
108. Craft Toilet Trailer
109. Safety Office/ Facility
110. Ice House(Drinking water)
111. Construction Field Offices
112. Time Alleys
113. Repair Shop(truck/ equip)
114. Outer Lay Down, Assy Area Toilet
115. Rigging Loft/Tool Room
116. Compressor Building
117. Truck Wash Facility
118. Carpentry Shop/Craft Shelter
119. Elec Shop/ I&C Facility
120. Mech and structural fab shop
121. Warehouse 1&2
122. Blast Shop
123. Paint Shop

LEGEND: CONSTRUCTION FACILITIES (CONT'D.)

124. Paint Storage Facility
125. Bulk Gas Facility
126. Bottle Gas Storage
127. Batch Plant Area
128. Concrete Truck Wash Facility
129. Test Lab (cyl/rebar)
130. NOT USED
131. Containment Ring Fab area
132. CA 20 Fab Area
133. CA 1 Fab Area
134. Gantry/unload/storage for Modules
135. Carpentry Form Pad
136. Rebar Fab Shop
137. Craft Parking #1
138. Craft Parking #2
139. Craft Parking #3
140. NOT USED
141. Non Manual Parking #2
142. Module Assy Area (CA-05, CA-04)
143. Weld Test Booth
144. Module Assy Area (CA-03)
145. Ice Plant for Concrete
146. Conc. Pad (floor and ceiling modules)
147. U1 Pad for Lower Bowl Rebar Module
148. U2 Pad for Lower Bowl Rebar Module
149. Fuel Station (diesel, gasoline)
150. GUARD HOUSE (main entrance)
151. GUARD HOUSE (truck entrance)
152. DEWATERING/SETTLING POND
153. TURBINE MODULE ASS'Y AREA U1
154. TURBINE MODULE ASS'Y AREA U2
155. HEATER BAY MODULE ASS'Y AREA
156. HEATER BAY MODULE ASS'Y AREA
157. Duke Construction Trailer
158. Training In Processing
159. Retained Existing NDT Building
160. TEMPORARY T-PAD FOR LAMPSON CRANE
161. RECRUITING OFFICE

LEGEND: NUCLEAR SUPPORT FACILITIES

201. CLARIFIER BUILDING
202. CLARIFIED WATER STORAGE TANK
203. SERVICE WATER/DEMIN. CLARIFIER
204. CLARIFIED WATER TRANSFER TANK
205. MAKE-UP POND A INTAKE STRUCTURE

LEGEND: UNDERGROUND SYSTEM DESIGNATORS

CWS CIRCULATING WATER SYSTEM
RWS RAW WATER SYSTEM
WLS LIQUID RADWASTE SYSTEM
WWS WASTE WATER SYSTEM

NOTES:

1. HORIZONTAL DATUM IS BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD 83, ZONE 3900, IN INTERNATIONAL FEET.
2. VERTICAL DATUM IS REFERENCED TO MEAN SEA LEVEL DATUM (NGVD 1929).
3. CONTOUR INTERVAL SHOWN IS 5 FEET.
4. NEW UNIT 1 LOCATED ON CENTERLINE OF FORMER UNIT 1. NEW UNIT 2 CENTERLINE 850' TO EAST.
5. EXISTING CONDITIONS AND TOPOGRAPHY ARE BASED ON THE PHOTOGRAMMETRIC SURVEY BY SANBORN MAP COMPANY, INC PERFORMED ON FEBRUARY 28, 2006. PROJECT NO. 060229 AND ADDITIONAL BACKGROUND INFORMATION FROM DUKE GENERAL PLAN CK-0002-01

WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Construction Zone

FIGURE 3.1-1 Rev 1