



- LEGEND: AFI000 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
 - ㉚ NOT USED

- LEGEND: CONSTRUCTION FACILITIES**
- 101 Craft Change / Lunch Shack
 - 102 Craft Change / Lunch Shack
 - 103 Craft Change / Lunch Shack
 - 104 Craft Change / Lunch Shack
 - 105 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 ASSY AREA U1
 - 154 TURBINE MODULE ASSY AREA U2
 - 155 HEATER BAY MODULE ASSY AREA
 - 156 HEATER BAY MODULE ASSY 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 0