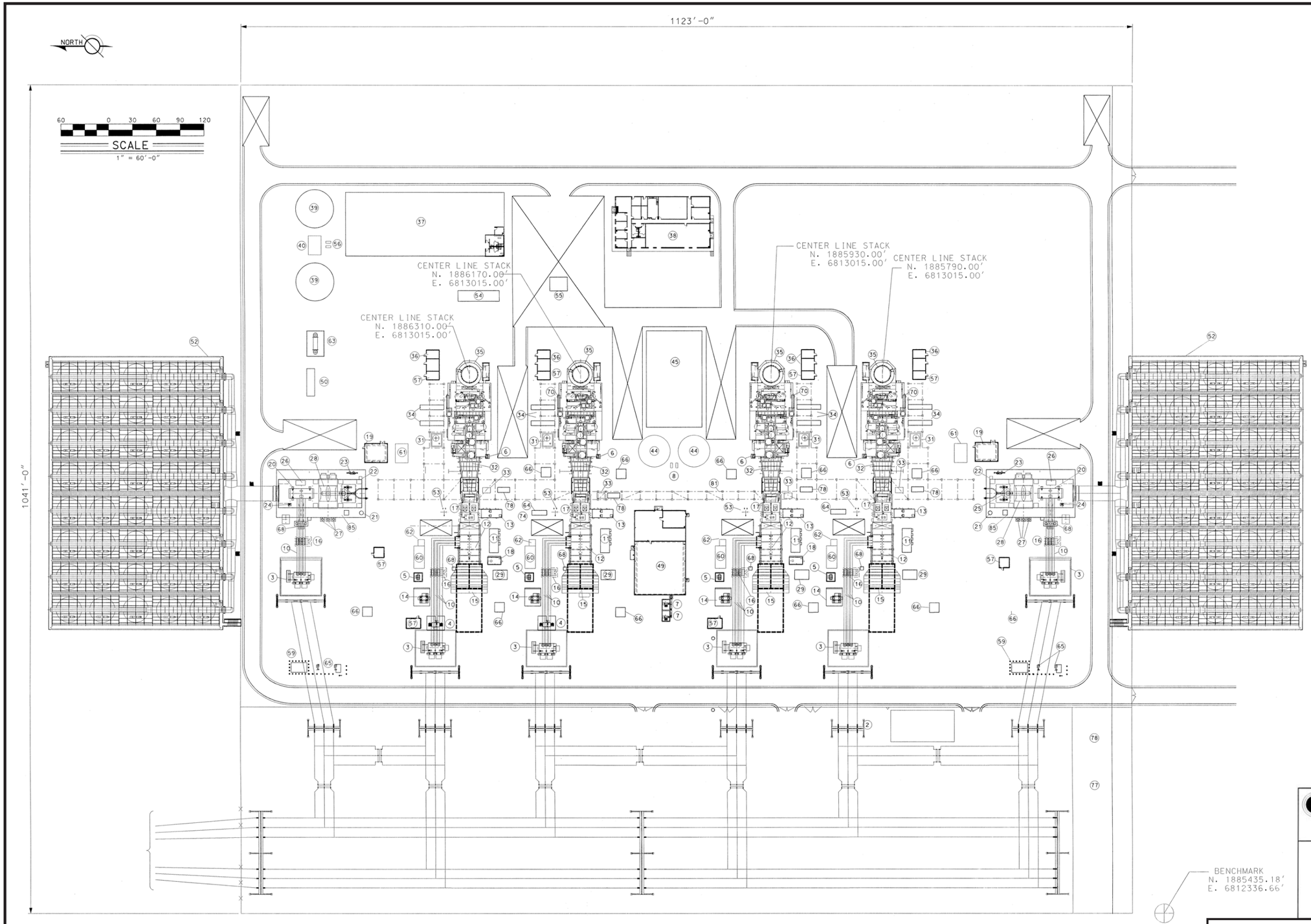

LEGEND

1. ELECTRICAL SUBSTATION AREA
2. SWITCHYARD CONTROL BUILDING
3. GENERATOR STEP-UP TRANSFORMER
4. UNIT AUX. TRANSFORMER (18/4.16kV)
5. EXCITATION TRANSFORMER
6. BLOWER SKID
7. 4160V/480V TRANSFORMERS
8. DEMINERALIZED WATER PUMPS
9. NOT USED.
10. ISO-PHASE BUS DUCT
11. PACKAGED ELECTRICAL AND ELECTRONIC CONTROL CENTER (PEECC)
12. GT GENERATOR
13. GT AUXILIARY PACKAGE
14. ISOLATION TRANSFORMER
15. GAS TURBINE AIR INLET FILTER
16. GENERATOR BREAKER
17. COMBUSTION TURBINE (CT)
18. COMPRESSOR WATER WASH SKID
19. STG ELECTRICAL EQUIPMENT BLDG.
20. STEAM TURBINE GENERATOR
21. STG LUBE OIL
22. GLAND STEAM SKID
23. GLAND STEAM CONDENSER
24. SEAL OIL EQUIPMENT SKID
25. STEAM TURBINE (ST)
26. STEAM JET AIR/HOGGER/SJAE
27. CONDENSATE PUMPS
28. CONDENSER
29. EVAPORATIVE COOLER
30. OUTFALL SUMP
31. HR BLOWDOWN TANK
32. HEAT RECOVERY STEAM GENERATOR (HRSG)
33. FUEL GAS DEW POINT HEATER
34. BOILER FEED PUMPS
35. HRSG STACK
36. CEM/HR DPU SHELTER
37. WAREHOUSE
38. ADMINISTRATION AND MAINTENANCE BUILDING
39. SERVICE/FIRE WATER STORAGE TANK
40. FIRE PUMPS
41.
42.
43. EQUIPMENT DRAIN SUMP
44. DEMINERALIZED WATER STORAGE TANK - (2 @ 250,000 gallons)
45. WATER TREATMENT BUILDING
46. DETENTION POND
47.
48.
49. ELECTRICAL EQUIPMENT BLDG
50. OIL/WATER SEPARATOR
51.
52. AIR COOLED CONDENSER (ACC)
53. CT DRAIN SUMP
54. LEACH FIELD
55. SEPTIC TANK
56. FILTER WATER PUMPS
57. FIRE PROTECTION DELUGE HOUSE
58.
59. CO2 SKID PURGE
60. LCI/GENERATOR EXCITATION COMPARTMENT
61. CLOSED LOOP AUX. COOLING WATER HEAT EXCHANGER
62. DC LINK REACTOR
63. AMMONIA STORAGE TANKS
64. CO2 FIRE PROTECTION
65. HYDROGEN TANKS
66. ELECTRICAL MANHOLE
67.
68. NEUTRAL GROUNDING TRANSFORMER/RESISTOR CUBICLE
69.
70. SCR SKID
71.
72.
73. STORM DRAIN MANHOLE
74. PUMP PIT (RETENTION POND)
75. OVER FLOW (RETENTION POND)
76.
77. GAS REGULATOR AND COMPRESSOR STATION
78. FUEL GAS HEATER
79.
80.
81. PIPE RACK
82.
83.
84.
85. OIL CONDITIONER SKID
86.

CONCEPTUAL DRAWING
NOT FOR CONSTRUCTION

NO.	REVISIONS	DATE	BY	CHK	APPD

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SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT
The Power To Do More

COSUMNES POWER PLANT
SITE GENERAL ARRANGEMENT
WITH AIR COOLED CONDENSERS

DRAWN	DESIGNED	CHECKED	CHECKED
A. HATCHER			
APPROVED	ADD DRAWING NUMBER	SHEET	REV
APPROVED	D010325-SKETCH	01	A

FIGURE 1
SITE PLAN WITH AIR-COOLED CONDENSER
COSUMNES POWER PLANT
APPLICATION FOR CERTIFICATION

CH2MHILL

D062001002RDD_29 (3/8/02)