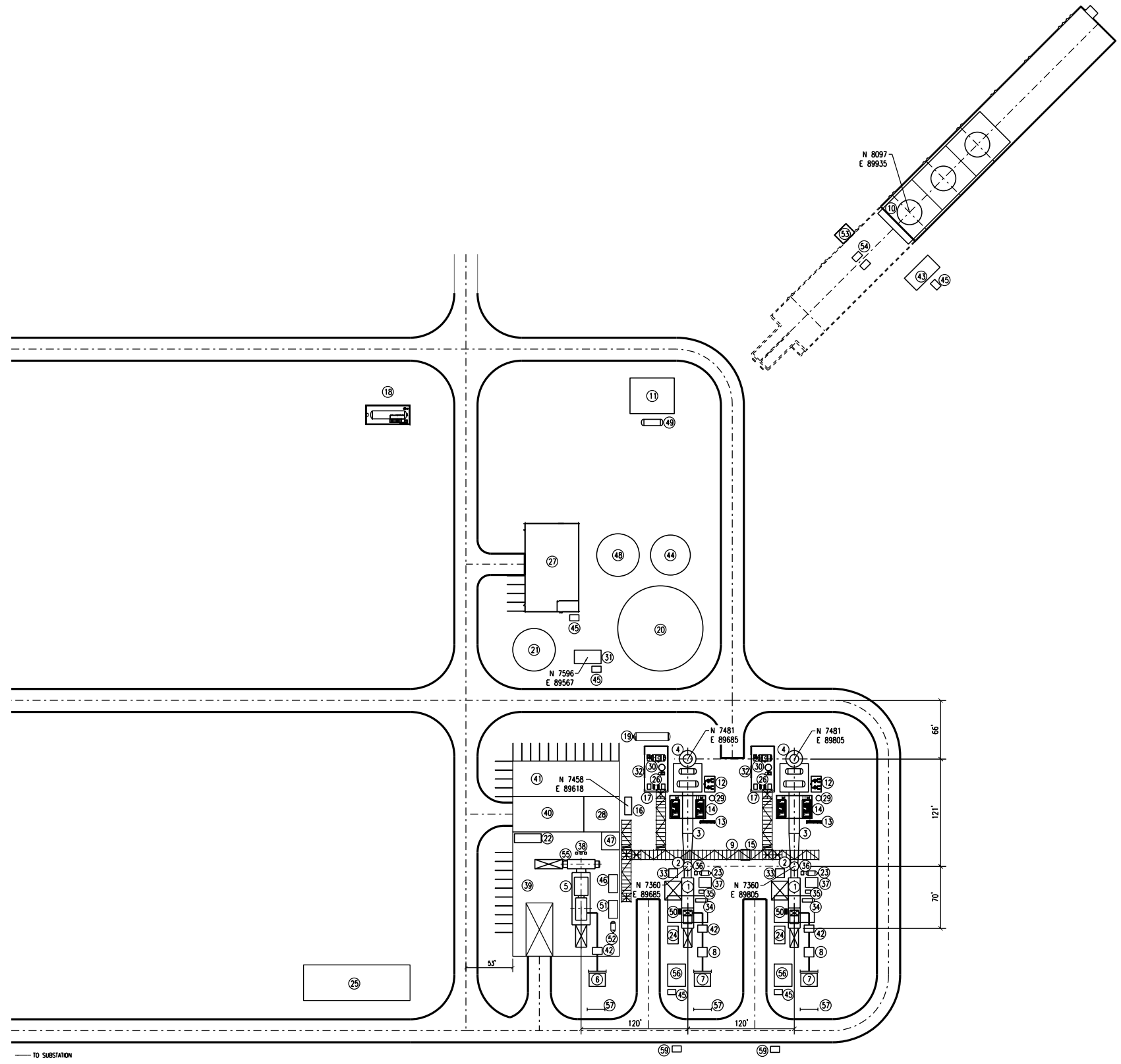

LEGEND

1. GAS TURBINE GENERATOR
2. * SIMPLE CYCLE STACK
3. HRSG
4. * COMBINED CYCLE STACK
5. STEAM TURBINE GENERATOR
6. STG GSU
7. GTG GSU
8. UNIT AUX TRANSFORMER
9. PIPE RACK
10. * COOLING TOWER
11. FUEL GAS COMPRESSOR AREA
12. HRSG - AMMONIA SKID
13. HRSG - BURNER SKID
14. HRSG - STAIR TOWER
15. CEMS ENCLOSURE
16. * STANDBY DIESEL GENERATOR
17. BOILER FEED PUMPS
18. AMMONIA STORAGE
19. OIL / WATER SEPARATOR
20. SERVICE WATER TANK
21. DEMINERALIZED WATER TANK
22. AIR COMPRESSOR SKID
23. WATER WASH DRAIN TANK
24. GAS TURBINE PEECC
25. WAREHOUSE
26. LP ECONOMIZER RECIRC PUMPS
27. WATER TREATMENT BUILDING
28. ELECTRICAL ROOM
29. BLOWDOWN TANK
30. CHEMICAL FEED EQUIPMENT
31. * FIRE WATER PUMP HOUSE
32. BOILER FEEDWATER PUMP BUILDING
33. GTG - FIN FAN COOLER
34. GTG - NOX WATER INJECTION SYSTEM
35. GTG - SPRINT SKID
36. GTG - EVAP COOLER SKID
37. GTG - AUX SKID
38. CONDENSATE PUMPS
39. STG BUILDING
40. MAINTENANCE AREA
41. ADMIN - CONTROL AREA
42. GENERATOR BREAKER
43. COOLING TOWER PDC BUILDING
44. CLARIFIER
45. SUS TRANSFORMERS
46. LUBE OIL SKID
47. LABORATORY
48. RAW WATER TANK
49. HYDROCARBON DRAINS TANK
50. CO2 FIRE SUPPRESSION SYSTEM
51. VACUUM PUMP SKIDS
52. GLAND SEAL CONDENSER
53. COOLING TOWER CHEMICAL FEED
54. CIRCULATING WATER PUMPS
55. CONDENSER
56. SWITCHGEAR PDC BLDG
57. DEAD-END STRUCTURE
58. 230KV TRANSMISSION POLE
59. DISTRIBUTION TRANSFORMER

* = EMISSION POINTS

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 04/20/09

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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SMEC
Electric Generation & Transmission Cooperative, Inc.

HIGHWOOD GENERATING STATION
COMBINED CYCLE PLANT
GREAT FALLS, MONTANA

GENERAL ARRANGEMENT
SITE PLAN
AIR PERMIT

DESIGNED	C. MOORE
DRAWN	M. McGINNIS
CHECKED	M. PAYNE
APPROVED	
APPROVED	K. CAVANAUGH
DATE	04/15/09

SCALE: 1" = 50'-0"
PROJ._NO. 21920
REV.
SK90-101

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