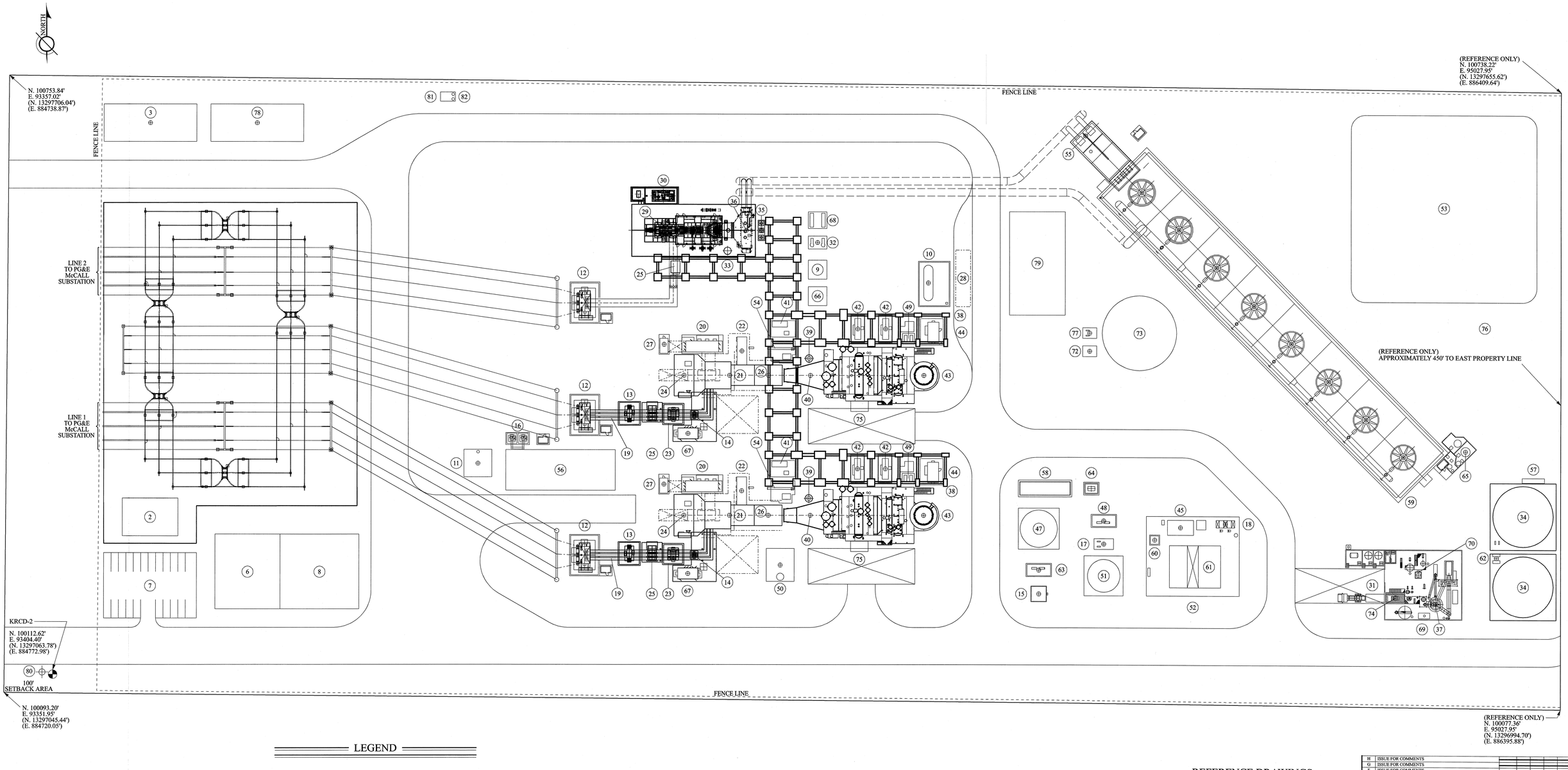

LEGEND

1. ELECTRICAL SWITCHYARD AREA
2. SWITCHYARD CONTROL BUILDING
3. GAS METERING STATION
4. LEACH FIELD (IF NEEDED; NOT SHOWN)
5. SEPTIC TANK (IF NEEDED; NOT SHOWN)
6. ADMIN/CONTROL BUILDING
7. PARKING
8. WAREHOUSE/MAINTENANCE BUILDING
9. H2 STORAGE (IF NEEDED)
10. AMMONIA STORAGE
11. EMERGENCY GENERATOR
12. GENERATOR STEP-UP TRANSFORMER
13. UNIT AUX. TRANSFORMER
14. EXCITATION TRANSFORMER
15. OILY WASTE SUMP
16. 4160V/480V TRANSFORMERS
17. DEMINERALIZED WATER PUMPS
18. AIR COMPRESSOR
19. ISO-PHASE BUS DUCT
20. CT ELECTRICAL AUXILIARIES
21. CT GENERATORS
22. MECHANICAL AUXILIARIES
23. ISOLATION TRANSFORMER
24. GAS TURBINE AIR INLET FILTER
25. GENERATOR BREAKER
26. COMBUSTION TURBINE (CT)
27. CT WATER WASH SKID
28. AMMONIA UNLOADING AREA
29. STEAM TURBINE (ST)
30. STG LUBE OIL SKID
31. SOLIDS HANDLING AREA
32. CLOSED COOLING WATER PUMPS
33. STEAM DRAINS FLASH TANK
34. BRINE HOLDING TANK
35. CONDENSATE PUMPS
36. STEAM CONDENSER
37. BRINE CONCENTRATOR
38. PIPE RACK
39. HRSG ATMOSPHERIC BLOWOFF TANK
40. HEAT RECOVERY STEAM GENERATOR (HRSG)
41. FUEL GAS TREATMENT SKID
42. BOILER FEED WATER PUMPS
43. HRSG STACK
44. CEMS SHELTER
45. BOILER CHEMICAL FEED SYSTEM
46. STEAM SAMPLING AND ANALYSIS PANEL (NOT SHOWN)
47. SERVICE/FIREWATER STORAGE TANK
48. FIRE PUMPS
49. HRSG RECIRCULATION PUMPS (IF NEEDED)
50. AUXILIARY BOILER
51. DEMINERALIZED WATER STORAGE TANK
52. WATER TREATMENT BUILDING
53. RETENTION POND
54. FUEL GAS HEATING SKID
55. CIRCULATION WATER PUMPS
56. ELECTRICAL EQUIPMENT BUILDING
57. OIL/WATER SEPARATOR
58. ZLD/COOLING TOWER ELECTRICAL EQUIPMENT ENCLOSURE
59. COOLING TOWER
60. CLEAN WASTE SUMP
61. MAKEUP WATER TREATMENT SYSTEM
62. BRINE FORWARDING PUMPS
63. SERVICE WATER PUMPS
64. ZLD 480V TRANSFORMER
65. COOLING TOWER/CHEMICAL FEED STORAGE AREA
66. CO2 BULK STORAGE TANK
67. LCI/GENERATOR EXCITATION COMPARTMENT
68. CLOSED COOLING WATER HEAT EXCHANGER
69. ZERO LIQUID DISCHARGE TREATMENT AREA (ZLD)
70. OILY WASTE SUMP
71. NOT USED
72. CHLORINATION SKID
73. RECYCLE WATER HOLDING TANK
74. CRYSTALLIZER
75. SCR SKID
76. EXTRA LAYDOWN AREA
77. RECYCLE WATER PUMP SKID
78. GAS COMPRESSION STATION
79. TERTIARY WATER TREATMENT AREA
80. EXISTING WELL
81. RECYCLED WATER DIVERSSION STRUCTURE
82. RECYCLED WATER FORWARDING PUMPS
83. NOT USED
84. NOT USED
85. NOT USED

REFERENCE DRAWINGS

1. UE DWG. D012659-LSIM10002 S01
   GENERAL ARRANGEMENT
   CONSTRUCTION PARKING/LAYDOWN AREA
2. PROVOST & PRITCHARD ENGINEERING GROUP DRAWING
   KINGS RIVER CONSERVATION DISTRICT
   PROPOSED POWER PLANT SITE
   TOPOGRAPHIC SURVEY
   UE DWG. NO. D012659-SEWS0001 SHT. 1
3. UE DOCUMENT 012659.0001-0003
   COORDINATES FOR GA/NOISE
4. UE DOCUMENT 012659.0001-0004
   COORDINATES FOR GA/BUILDINGS
5. UE DOCUMENT 012659.0001-0005
   COORDINATES FOR GA/EMMISIONS

50 0 25 50 75 100

SCALE

1" = 50'-0"

NO	REVISIONS	DATE	DSNR	CHK	ENGR	APPR
H	ISSUE FOR COMMENTS					
G	ISSUE FOR COMMENTS					
F	ISSUE FOR COMMENTS					
E	ISSUE FOR COMMENTS					
D	ISSUE FOR COMMENTS					
C	ISSUE FOR COMMENTS					
B	ISSUE FOR COMMENTS					
A	ISSUE FOR COMMENTS					

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KRCD COMMUNITY POWER PLANT

Energy for our Future

Figure 2-1

UTILITY ENGINEERING
HEADQUARTERS
1515 ARAPAHOE STREET, TOWER 1, SUITE 900, DENVER, CO 80202-4256
AMARILLO, TEXAS MINNEAPOLIS, MINNESOTA OMAHA, NEBRASKA

KINGS RIVER CONSERVATION DISTRICT
GENERAL ARRANGEMENT

DRAWN	DESIGNED	CHECKED	CHECKED
2/2/07	2/2/07	2/4/07	
APPROVED	CADD DRAWING NUMBER	SHEET	REV
APPROVED 2/2/07	D012659-LSIM10001	01	H