Appendix C. Expansion Site Plan

PLANT NORTH

N 10500'-0"
N 10400'-0"
N 10200'-0"
N 10146'-0"
N 10000'-0"
N 9830'-0"
N 9800'-0"
N 9600'-0"
N 9400'-0"

E 4400'-0"
E 4600'-0"
E 4800'-0"
E 5000'-0"
E 5200'-0"
E 5400'-0"
E 5600'-0"

3' MAN GATE
PROPERTY LINE
FENCE
30 FT BUILDING SET BACK LINE
℄ STG AND CONDENSER
219'-10"
℄ HRSG STACKS E 5004'-10"
MONUMENT POINT M1
MONUMENT POINT M2
MONUMENT POINT M3
MONUMENT POINT M4
℄ UNIT 1 HRSG & CTG
℄ UNIT 2 HRSG & CTG
146'-0"
℄ LP TURBINE & CONDENSER
170'-0"
NOTE 1
FIRE HYDRANT (TYPICAL)
FIRE TRUCK ACCESS
20" FGS PIPE (BY CNG)
CREEK
CONTROL ROOM
24' SLIDING GATE
22.5'

EXISTING FACILITY LEGEND

1. COMBUSTION TURBINE
4. HRSG
5. HRSG STACK
7. STEAM TURBINE
9. GENERATOR STEP-UP TRANSFORMER
14. ADMIN/MAINTENANCE/WAREHOUSE/CONTROL ROOM BLDG
15. EXISTING WAREHOUSE BUILDING
17. WATER TREATMENT EQUIPMENT AREA
20. COOLING TOWER
23. SERVICE / FIRE WATER STORAGE TANK
24. DEMIN WATER STORAGE TANK
25. AMMONIA STORAGE TANK
28. COOLING TOWER CHEMICAL FEED ENCLOSURE
34. OIL / WATER SEPARATOR
35. OIL / WATER SUMP & PUMPS
52. FIRE PUMP SKID ENCLOSURE
53. AUXILIARY BOILER
55. FUEL GAS YARD AREA (BY CNG)
58. FUEL OIL STORAGE TANK
78. FUEL OIL UNLOADING STATION
79. SEDIMENT POND / STORMWATER BASIN

EXPANSION FACILITY LEGEND

101. COMBUSTION TURBINE
104. HRSG
105. HRSG STACK
107. GENERATOR SETP-UP TRANSFORMER
112. ANHYDROUS AMMONIA STORAGE TANK
129. COOLING TOWER ADDITION
130. DEMIN WATER STORAGE TANK
131. OIL / WATER SEPARATOR
133. 115KV SWITCHYARD
137. DIESEL GENERATOR

NOTE:

1. CONTRACTOR TO DESIGN PIPE RACK TO ALLOW 30 FEET WIDE ACCESS ROAD (EAST-WEST IN-PLANT ROAD) UNDER NEW PIPE BRIDGE EXTENSION. MATCH EXISTING BOTTOM OF STEEL TO PROVIDE CLEAR HEIGHT FOR CRANE ACCESS BETWEEN NEW CTG-01 AND THE EXISTING CTG-02.

CONCEPTUAL

LEGEND:

- GRAVEL
- ASPHALT
- CONCRETE
- ELECTRICAL MANHOLE
- STORM WATER CATCH BASIN

MONUMENT POINTS:	PLANT COORDINATES:	BLUE EARTH COUNTY COORDINATES:
M1	N.10250'-0", E.5100'-0"	FOR TRANSLATION BETWEEN PLANT COORDINATES & BLUE EARTH COUNTY COORDINATES SEE DRAWING MK-GEN-DE-C1-0001
M2	N.10300'-0", E.4500'-0"	
M3	N.9700'-0", E.4500'-0"	
M4	N.9500'-0", E.5000'-0"	

60 0 60 120 180

SCALE IN FEET